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#### UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPLIPILIENT STATIONS E. W. ALLEN, CHIEF.

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JANUARY, 1924.

NOTE.--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- Report of the Alaska Agricultural Experiment Stations, 1922. C. C. Georgeson et al. (Alaska Stas. Rpt. 1922, pp. 25, pls. 2, figs. 7. Dec., 1923.)
- Life history of the codling moth in Arransas with special reference to factors limiting abundance. D. Isoly and A. J. Ackerman. (Arkansas Sta. Bul. 189, pp. 57, figs. 8. Dec., 1923.)
- Turkish tobacco culture, curing, and marketing. W. T. Clarke. (California Sta. Bul. 366, pp. 639-676, figs. 17. June, 1923.)
- A study of the darkening of apple tissue. E. L. Overholser and W. V. Cruess. (California Sta. Tech. Paper 7, pp. 40. June, 1923.)
- Necrobacillosis. G. H. Glover. (Colorado Sta. Bul. 289, pp. 12, figs. 3. Nov., 1923.)
- Fertilizer report for 1923. E. M. Bailey. (Connecticut State Sta. Bul. 250, pp. 88. Nov., 1923.)
- Potato diseases and insects. G. F. Weber. (Florida Sta. Bul. 169, pp. 101-164, figs. 55. Dec., 1923.)
- The pineapple pear. J. G. Woodroof. (Georgia Sta. Bul. 142, pp. 77-105, figs. 8. Oct., 1923.)
- Report on resistant plants for root-knot nematode control. J. A. McClintock. (Georgia Sta. Circ. 77, pp. 4-a., Aug., 1923.)
- Livingston County soils. J. G. Mosier, S. V. Holt, F. A. Fisher, E. E. De Turk, and H. J. Snider. (Illinois Sta. Soil Rpt. 25, pp. 55, pls. 4, figs. 3. June, 1923.
- Clover seed from Southern Europe fails on Indiana farms. G. I. Christie. (Indiana Sta. Circ. 114, pp. 4, figs. 2. Dec., 1923.)

- The eradication of bindwood. L. E. Jall and R. E. Getty. (Kansas Sta. Circ. 101, pp. 18, figs. 10. Dec., 1923.)
- Commercial fertilizers, 1923. J. M. Bartlett, (Maine Sta. Off. Insp. 109, pp. 29-52. Oct., 1923.)
- Changes in egg production in the station flock. H. D. Coodale. (Massachusetts Sta. Bul. 211, pop. ed., pp. 7, pl. 1. Oct., 1923.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station.

  J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 420, pp. 4.

  Dec., 1923.)
- Thirty-fifth annual report of the Massachusetts Agricultural Experiment Station, 1922. (Massachusetts Sta. Rpt. 1922, pts. 1, pp. 25a; 2, pp, 163, pls. 16, figs. 71. 1923.)
- The microscopic identification and determination of the specific ingredients in stock feeds. O. B. Winter. (Michigan Sta. Spec. Bul. 120, pp. 31, figs. 9. Sept., 1923.)
- Flat sours. Part I, An interesting thermophile encountered in canned string beans.

  Z. N. Wyant. Part II, Bacteriological studies of flat sours of cold packed canned peas. Z. N. Wyant and R. L. Tweed. (Michigan Sta. Tech. Pul. 59, pp. 29. Feb., 1923.)
- The influence of manufacturing operations on the bacterial content of ice cream. F. W. Fabian and R. H. Gromley. (Michigan Sta. Tech. Bul. 60, pp. 24, fig. 1. Feb., 1923.)
- Faying for milk on a quality basis as a means of improving the supply. L. H. Cooledge and O. T. Goodwin. (Michigan Sta. Circ. Bul. 61, pp. 13, figs. 3. Sept., 1923.)
- The Missouri fertilizer law. F. B. Mumford and L. D. Haigh. (Missouri Sta. Circ. 114, pp. 4. Oct., 1923.)
- Growing alfalfa in Montana. E. N. Bressman. (Montana Sta. Circ. 116, pp. 30, figs. 22. Aug., 1923.)
- Factors affecting the price of farm products. H. C. Filley. (Nebraska Sta. Bul. 198, pp. 40, figs. 14, Nov., 1923.)
- Ice cream ingredients, H. P. Davis, B. Masurovsky, and J. A. Luithly. (Nebraska Sta. Circ. 22, pp. 22. Jan., 1924.)
- The prediction of egg records. G. W. Hervey. (New Jersey Stas. Bul. 389, pp. 20, figs. 10. Sept., 1923.)
- Creamery inspection in New Jersey. -- Fourth annual report for the year ending June 30, 1923. F. C. Button. (New Jersey Stas. Circ. 157, pp. 15, figs. 2. Sept., 1923.)
- 923-0ES.

- Clean and cold milk. R. S. Breed. (New York State Sta. Circ. 69, pp. 4, figs. 2.)
- Spraying and dusting experiments with apples in 1923. P. J. Parrott, F. C. Stewart, and H. Glasgow. (New York State Sta. Circ. 70, pp. 9. Dec., 1923.)
- Self-sterility and self-fertility of fruit varieties grown in New York. R. Wellington. (New York State Sta. Circ. 71, pp. 6. Dec., 1923.)
- Spraying and dusting for the control of pear psylla. F. Z. Hartzell. (New York State Sta. Circ. 72, pp. 14. Jan., 1924.)
- How to use the seed laboratory. O. A. Stevens. (North Dakota Sta. Circ. 22, pp. 12, figs. 5, Oct., 1923.)
- The monthly bulletin. (Chio Sta. Mo. Bul., vol. 8, No. 11-12, pp. 161-191, figs. 12. Nov. Dec., 1923.)
- Building plans and bill of materials for O. A. C. 400-hen laying house. F. J. Knowlton. (Oregon Sta. Circ. 51, pp. 8, figs. 4. Nov., 1923.)
- The O. A. C. portable colony house. A. G. Lunn. (Oregon Sta. Circ. 52, pp. 8, figs. 3. Dec., 1923.)
- How to convert the O. A. C. portable colony house into a brooder house. A. G. Lunn. (Oregon Sta. [Leaflet], pp. 2, fig. 1. Dec., 1923.)
- The effects of feeding punctures of aphids on certain plant tissues. J. L. Horsfall. (Pennsylvania Sta. Bul. 182, pp. 22, figs. 7, Nov., 1923.)
- Las vaquerías en Puerto Rico. D. W. May. (Porto Rico Sta. Pul. 29, Span. ed., pp. 16, pls. 4. Jan., 1924.)
- Report of the Porto Pico Agricultural Experiment Station, 1922. D. W. May et al. (Porto Rico Sta. Rpt. 1922, pp. 18, pls. 4, figs. 6. Dec., 1923.)
- The comparative crop effect of fertilizer chemicals, cow manure with straw bedding or with planer-shavings bedding, and of the latter supplemented with phosphorus or potassium. B. L. Hartwell, S. C. Damon, and F. K. Crandall. (Rhode Island Sta. Bul. 196, pp. 11. Nov., 1923.)
- Inspection of fertilizers. P. S. Burgess and J. B. Smith. (Rhode Island Sta. Ann. Fert. Circ., pp. 13. Oct., 1923.)
- Certified seed in Irish potato production. A. M. Musser and C. A. Ludwig. (South Carolina Sta. Bul. 218, pp. 16. Dec., 1923.)
- Thirty-sixth annual report of the South Carolina Experiment Station for the year ended June 30, 1923. (South Carolina Sta. Rpt., 35 (1923), pp. 74, figs. 224)
- Varieties of corn for South Dakota. A. N. Hume. (South Dakota Sta. Bul. 204, pp. 599-611, figs. 8. Aug., 1923.)

- Report of the Virgin Islands Agricultural Experiment Station, 1922. J. B.
  Thompson et al. (Virgin Islands Sta. Rpt. 1922, pp. 18, pls. 4, figs. 4.
  Dec., 1923.)
- Certain correlations in the weight and number of eggs and the weight of fowls. H. Atwood. (West Virginia Sta. Bul. 182, pp. 16, figs. 3. Aug., 1923.)
- Bi-monthly bulletin. (Western Washington Sta. Bimo. Bul., vol. 11, No. 5, pp. 89-112, figs. 3. Jan., 1924.)
- Service relations of town and country. J. H. Kolb. (Wisconsin Sta. Research Bul. 58, pp. 78, figs. 18. Dec., 1923.

# UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIMENT STATIONS E. W. ALLEN, Chief

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING FEBRUARY, 1924

Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- Life history and control of the Mexican bean beetle. F. L. Thomas. Alabama Sta. Bul. 221, pp. 99, figs. 25. Jan., 1924.)
- Thirty-fourth annual report of the agricultural experiment station of the Alabama Polytechnic Institute, Auburn, Alabama, 1923. pp. 12. Jan., 1924.
- Eradication of tuberculosis in cattle at the Kodiak Experiment Station. C. C. Georgeson and W. T. White. (Alaska Stas. Bul. 5, pp. 11, figs. 2. Jan., 1924.)
- Comparison of woods for butter boxes. G. D. Turnbow. (California Sta. Bul. 369, pp. 10, figs., 5. Aug., 1923.)
- Cabbage production in California. H. A. Jones. (California Sta. Circ. 262, pp. 22, figs. 9. May, 1923.)
- Tomato production in California. J. T. Rosa, jr. (California Sta. Circ. 263, pp. 19, figs. 6. May, 1923.)
- Preliminary essentials to bovine tuberculosis control in California. G. H. Hart. (California Sta. Circ. 264, pp. 8, figs. 3. May, 1923.)
- Beautifying the home grounds, for the smaller type. E. M. Lowry. (Colorado Sta. Bul. 290, pp. 20, figs. 15. Jan., 1924.)
- The raspberry fruit worm. B. H. Walden. (Connecticut State Sta. Bul. 251, pp. 89-99, pls. 4, fig. 1. Dec., 1923.)
- The European red mite. P. Garman. (Connecticut State Sta. Bul. 252, pp. 101-125, pls. 4, figs. 4. Dec., 1923.)
- First report of the tobacco substation at Windsor, Connecticut. G. A. Hopson. (Connecticut State Sta. [Leaflet], pp. 4.)
- Synopsis and catalog of the Thysanoptera of North America, with a translation of Karny's Keys to the Genera of Thysanoptera and a bibliography of recent publications. J. R. Watson. (Florida Sta. Bul. 163, pp. 100. Dec., 1923.)

- Comparing the production records of cows. -- Influence of quality (fat test) of milk on yield of milk. W. L. Gaines and F. A. Davidson. (Illinois Sta. Bul. 245, abs., pp. 8, figs. 2. Dec., 1923.)
- Feeding pigs on pasture. J. B. Rice. (Illinois Sta. Bul. 247, pp. 35-60, fig. 1. Jan., 1924.)
- Soy beans for horses and mules. C. W. Crawford and J. L. Edmonds. (Illinois Sta. Circ. 276, pp. S, figs. 3. Jan., 1924.)
- The social aspects of rural life and farm tenantry, Cedar County, Iowa, G. H. Von Tungeln, E. L. Mirkpatrick, C. R. Hoffer, and J. F. Thaden. (Iowa Sta. Bul. 217, pp. 433-494, figs. 21. Aug., 1923.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 421, pp. 4, Jan., 1924.)
- Inspection of commercial feed stuffs. P. H. Smith and F. J. Kokoski. (Massachū-setts Sta. Control Ser. Bul. 24, pp. 32. Nov., 1923.)
- A study of farm organization in southwestern Minnesota, G. A. Pond and J. W. Tapp. (Minnesota Sta. Bul. 205, pp. 135, figs. 30. Nov., 1923.)
- Sunflower rust. D. L. Bailey. (Minnesota Sta. Tech. Bul. 16, pp. 31, pls. 3. Aug., 1923.)
- Cotton experiments, 1923. -- Varieties, fertilizers, and weevil control. J. F. O'Kelly and R. Cowart. (Mississippi Sta. Eul. 219, pp. 11. Dec., 1923.)
- Report from Holly Springs Branch Experiment Station for 1923. C. T. Ames. (Mississippi Sta. Eul. 220, pp. 24, figs. 2. Dec., 1923.)
- A progress report of boll weevil poisoning work at the Holly Springs Branch Experiment Station. C. T. Ames. (Mississippi Sta. Circ. 51, pp. 11. Dec., 1923.)
- A comparison of Jersey sires based on the average mature equivalent fat production of the daughters. C. W. Turner and A. C. Ragsdale. (Missouri Sta. Bul. 206, pp. 12, figs. 2. Oct., 1923.)
- Peach culture in Missouri. H. D. Hooker, jr. (Missouri Sta. Bul. 207, pp. 14, figs. 2. Dec., 1923.)
- Grape growing in Missouri. H. G. Swartwout. (Missouri Sta. Bul. 208, pp. 36, figs. 19. Jan., 1924.)
- Testing fertilizers for Missouri farmers: 1923. L. D. Haigh. (Missouri Sta. Bul. 209, pp. 55, figs. 2. Feb., 1924.)

- Studies in animal nutrition. -- V. Changes in the composition of the mature dairy cow while fattening. C. R. Moulton, P. F. Trovbriage, and L. D. Haigh. (Missouri Sta. Research Bal. 61, pp. 20. Oct., 1923.)
- The influence of hydrogen-ion concentration on the growth of <u>Fusarium lyco-persici</u> and on tomato wilt. I. T. Scott. (Missouri Sta. Research Bul. 64, pp. 32, figs. 10. Jan., 1924.)
- Feeding dairy cows. A. C. Ragsdale. (Missouri Sta. Circ. 115, pp. 12, figs. 4. Nov., 1923.)
- Winter rations for dairy heifers. A. C. Ragsdale. (Missouri Sta. Circ. 116, pp. 8, figs. 7. Dec., 1923.)
- Biennial report of the Missouri State Fruit Experiment Station, Mountain Grove, Missouri, 1921-1922. F. W. Faurot. pp. 7.
- Observations on the relations between atmospheric conditions and the behavior of mosquitoes. W. Rudolfs. (New Jersey Stas. Bul. 388, pp. 32, figs. 6. Sept., 1923.)
- Analysis of materials sold as insecticides and fungicides during 1923. C. S. Cathcart, R. L. Willis, and L. R. Smith. (New Jersey Stas. Bul. 392, pp. 18, fig. 1. Oct., 1923.)
- The use of explosives in agriculture. E. R. Cross. (New Jersey Stas. Circ, 159, pp. 8, figs. 13. Nov., 1923.)
- Egg production, monthly costs, and receipts on New Jersey poultry farms. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 4, pp. 4. Feb., 1924.)
- Getting maximum results from the incubator. W. P. Thorp, jr. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 5, pp. 4, fig. 1. Feb., 1924.)
- Thirty-sixth annual report of the New York State College of Agriculture at Cornell University and of the Agricultural Experiment Station, 1923.

  A. R. Mann. pp. 104. Jan., 1924.
- Chadbourn, N. C., strawberry deal. North Carolina white potato deal. A partial list of products which farmers have for sale. (North Carolina Sta. Farmers' Market Bul., vol. 10, No. 67, pp. 11. Jan., 1924.)
- Perennial flowers for North Dakota homes. A. F. Yeager and F. M. Heath. (North Dakota Sta. Bul. 170, pp. 56, figs. 27. Dec., 1923.)
- Sulfur in relation to soil fertility. W. L. Powers. (Oregon Sta. Bul. 199, pp. 45, figs. 17. Dec., 1923.)
- A study of growth in summer shoots of the apple, with special consideration of the role of carbohydrates and nitrogen. E. M. Harvey. (Oregon Sta. Bul. 200, pp. 51, figs. 27. Dec., 1923.)
- The preparation of spray materials. R. H. Robinson. (Oregon Sta. Bul. 201, pp. 15, fig. 1. Jan., 1924.)
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- Brown-rot and related diseases of stone fruits in Oregon. H. P. Barss. (Oregon Sta. Circ. 53, pp. 18, rigs. 10. Dec., 1923.)
- Open air range house. F. L. Knowlton. (Oregon Sta. Circ. 54, pp. §, figs. 2. Jan., 1924.)
- Economic results in the pollination of greenhouse tomatoes. A.G.B.Bouquet. (Cregon Sta. Circ. 55, pp. 16, figs. 4. Jan., 1924.)
- Steer feeding experiments at the Pennsylvania State College. W. H. Tomhave and F. L. Bentley. (Pennsylvania Sta. Bul. 183, pp. 16, figs. 7. Dec., 1923.)
- Boll weevil investigations in 1923. (South Carolina Sta. Circ. 31, pp. 29, figs. 4. Jan., 1924.)
- The sweet potato weevil. H. J. Reinhard. (Texas Sta. Bul. 308, pp. 90, figs. 5. April, 1923.)
- I.Fattening steers on cottonseed meal and hulls with and without corn. II,
  The influence of age on fattening steers. J. M. Jones, J. L. Lush and
  J. H. Jones. (Texas Sta. Bul. 309, pp. 31. June, 1923.)
- The interpretation of correlation data. A. B. Conner. (Texas Sta. Bul. 310, pp. 24, figs. 3. Sept., 1923.)
- Commercial fertilizers in 1922-23. G. S. Fraps and S. E. Asbury. (Texas Sta. Bul. 312, pp. 35. Sept., 1923.)
- The squash lady-bird beetle. G. W. Underhill. (Virginia Sta. Bul. 232, pp. 24, figs. 8. July, 1923.)
- Truck crop investigations. -- Hot water treatment for nematode control. H. H. Zimmerly and H. Spencer. (Virginia Truck Sta. Bul. 43, pp. 265-278, figs. 6. Apr., 1923.)
- Thirty-third annual report for the fiscal year ended June 30, 1923. E. C. Johnson. (Washington Col. Sta. Bul. 180, pp. 80. Dec., 1923.)
- An economical farm level. L. J. Smith. (Washington Col. Sta. Pop. Bul. 124, pp. 11, figs. 6. Dec., 1923.)
- Sprays for San Jose scale and leaf-roller. A. L. Melander. (Washington Col. Sta. Pop. Bul. 126, pp. 14, fig. 1. Feb., 1924.)
- West Virginia pastures. C. E. Stockdale. (West Virginia Sta. Circ. 35, pp. 4. Jan., 1924.)
- Fighting black stem rust of grain by eradicating the barberry. N. F. Thompson and J. G. Dickson. (disconsin Sta. Bul. 357, pp. 23, figs. 16. May, 1923.)
- Drainage district farms in central Wisconsin. E. R. Jones and B. G. Packer. (Wisconsin Sta. Bul. 353, pp. 48, figs. 30, Oct., 1923.)

## UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIMENT STATIONS E. W. ALLEN, Chief.

## LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING MARCH, 1924.

Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF ACRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- The boll weevil problem in Arkansas. D. Isoly and W. J. Baerg. (Arkansas Sta. Bul. 190, pp. 29, figs. 8. Jan., 1924.)
- Methods of harvesting and irrigation in relation to moldy walnuts. L. D.

  Batchelor. (California Sta. Bul. 367, pp. 675-696, pls. 2. June, 1923.)
- Factors influencing the development of internal browning of the yellow Newtown apple. E. L. Overholser, A. J. Winkler, and H. E. Jacob. (California Sta. Bul. 370, pp. 40, pl. 1, figs. 3. Sept., 1923.)
- The relative cost of yarding small and large timber. D. Bruce. (California Sta. Bul. 371, pp. 36, figs. 4, Oct., 1923.)
- Pear pollination. W. P. Tufts and G. L. Philp. (California Sta. Bul. 373, pp. 36, figs. 11. Dec., 1923.)
- The effect of the plant on the reaction of the culture solution. D. R. Hoagland. California Sta. Tech. Paper 12, pp. 16. Nov., 1923.)
- Plant disease and pest control. 7. T. Horne, C. E. Essig, and T. B. Herms. (California Sta. Circ. 265, pp. 104. June, 1923.)
- Inexpensive labor saving poultry appliances. J. E. Dougherty and S. S. Gossman. (California Sta. Circ. 268, pp. 32, figs. 16. July, 1923.)
- An orchard brush burner. W. L. Zink, (California Sta. Circ. 269, pp. 10, figs. 11. Aug., 1923.)
- A farm septic tank. W. B. Herms and H. L. Belton. (California Sta. Circ. 270, pp. 16, figs. 15. Sept., 1927.)
- Brooding chicks artificially. J. E. Dougherty and S. S. Gossman. (California Sta. Circ. 271, pp. 29, figs. 13. Oct., 1923.)
- Annual report of the Director for the fiscal year ending June 30, 1923. C. A. McCue et al. (Delaware Sta. Bul. 135, pp. 48, fig. 1. Jan., 1924.)
- Watermelons. H. P. Stuckey. (Georgia Sta. Bul. 143, pp. 109-131, figs. 4. Feb., 1924.)
- Methods of boll weevil control. R. P. Bledsoe. (Georgia Sta. Circ. 78, pp. 5-2 12-a. Feb., 1924.)
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- Thirty-sixth annual report Georgia Experiment Station for the year 1923. H. P. Stuckey. pp. 33 57, figs. 3.
- Directions for spraying fruits in Illinois. (Illinois Sta. Circ. 277, pp. 24, figs. 4. Feb., 1924.)
- A plan for the farm garden. (Illinois Sta. Circ. 278, pp. 8, figs. 3. Feb., 1924.)
- Cotton growing in Illinois. J. A. Evans, J. C. Hackleman, and F. C. Bauer. (Illinois Sta. Circ. 279, pp. 8, figs. 2. Mar., 1924.)
- Better feeding for Indiana dairy cows. L. H. Fairchild and J. W. Wilbur. (Indiana Sta. Bul. 277, pp.16, figs. 5. Jan., 1924.)
- The common garden mole in Iowa. E. E. Dunnam. (Iowa Sta. Circ. 88, pp. 4, figs. 5. Jan., 1924.)
- Mahaska County soils. W. H. Stevenson, P. E. Brown, L. W. Forman, and J. A. Elwell. (Iowa Sta. Soil Survey Rpt. 29, pp. 72, pl. 1, figs. 13. Mar., 1923.)
- Johnson County soils. W. H. Stevenson, P. E. Brown, L. W. Forman, T. H. Benton, and G. H. Artis. (Iowa Sta. Soil Survey Rpt. 32, pp. 72, pls. 2, figs. 14. June, 1923.)
- Pruning fruit plants. R. J. Barnett. (Kansas Sta. Circ. 102, pp. 24, figs. 12. Feb., 1924.)
- Studies of dairy cattle.--II, Milk production, J. J. Hooper. (Kentucky Sta. Bul. 248, pp. 63-85, figs. 4. July, 1923.)
- Fruit-rotting sclerotinias.--I, Apothecia of the brown-rot fungus. J. B. S. Norton, W. N. Ezekiel, and R. A. Jehle. (Maryland Sta. Bul. 256, pp. 36, figs. 18. Aug., 1983.)
- The thirty-sixth annual report of the University of Maryland Agricultural Experiment Station, 1922-1923. H. J. Patterson. pp. XXII + 86 + 2, fig. 1.
- Inspection of commercial fertilizers. H. D. Haskins, L. S. Walker, and S. J. Broderick. (Massachusetts Sta. Control Ser. Bul. 25, pp. 31, figs. 4. Nov., 1923.)
- Inspection of lime products used in agriculture. H. D. Haskins, L. S. Walker, and S. J. Broderick. (Massachusetts Sta. Control Ser. Bul. 26, pp. 6, fig. 1. Dec., 1923.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station.

  J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 422, pp. 4, Feb., 1924.)
- The quarterly bulletin. (Michigan Sta. Quart. Bul., vol. 6, No. 3, pp. 82-143, figs. 16. Feb., 1924.)
- An analysis of the peach variety question in Michigan. S. Johnston. (Michigan Sta. Spec. Bul. 126, pp. 48, figs. 12. Jan., 1924.)

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- Nitrogen-carrying fertilizers and the bearing habits of mature apple trees. F. C. Bradford. (Michigan Sta. Spec. Bul. 127, pp. 32, figs. 7. Jan., 1924.)
- The relation of high cellular counts to the Bacterium abortus infection of the udder. R. L. Tweed. (Michigan Sta. Tech. Bul. 61, pp. 28. Dec., 1923.)
- Thirty-fifth annual report of the Experiment Station of the Michigan Agricultural College under the Hatch and Adams Acts for the year ending June 30, 1922. pp. 161-672, figs. 160.
- Report of West Central Experiment Station, Morris, Minnesota, 1922. P. E. Miller. pp. 55, figs. 5.
- Report of Northwest Experiment Station, Crookston, Minnesota, 1922. C. G. Selvig and R. S. Dunham, pp. 101, figs. 26.
- Report Delta Branch Experiment Station, 1922 and 1923. W. E. Ayres. (Mississippi Sta. Bul. 221, pp. 15. Jan., 1924.)
- Studies in animal nutrition. IV.--The nitrogen, ash and phosphorus distribution in beef flesh as affected by age and condition. W. S. Ritchie, C. R. Moulton, P. F. Trowbridge, and L. D. Haigh. (Missouri Sta. Research Bul. 59, pp. 78. May, 1923.)
- Corn root rot. B. B. Branstetter. (Missouri Sta. Circ. 117, pp. 8, figs. 4. Mar., 1924.)
- A social study of Ravalli County, Montana. W. H. Baumgartel. (Montana Sta. Bul. 160, pp. 32, figs. 17. Sept., 1923.)
- Animal protein for laying hens. W. F. Schoppe. (Montana Sta. Bul. 161, pp. 10, fig. 1. Oct., 1923.)
- Blackhead in turkeys. H. Welch: (Montana Sta. Circ. 117, pp. 7, figs. 3. Sept., 1923.)
- Bovine tuberculosis. L. Van Es. (Nebraska Sta. Circ. 23, pp. 66, pls, 11, figs. 5. Feb., 1924.)
- Inspection of commercial feeding stuffs. H. R. Kraybill and T. O. Smith. (New Hampshire Sta. Bul. 209, pp. 44. Aug., 1923.)
- Inspection of commercial fertilizers for 1923. H. R. Kraybill, T. O. Smith, and C. P. Spaeth. (New Hampshire Sta. Bul. 210, pp. 16. Oct., 1923.)
- Results of seed tests for 1923. M. G. Eastman. (New Hampshire Sta. Bul. 211, pp. 16. Dec., 1923.)
- Progress of agricultural experiments, 1923. J. C. Kendall. (New Hampshire Sta. Bul. 212, pp. 38. Jan., 1924.)
- Cotton. J. C. Overpeck and W. T. Conway. (New Mexico Sta. Bul. 141, pp. 17, figs. 3. Jan., 1924.)

- Work of the seed testing laboratory from 1918 to 1923, with notes on seed quality, seed testing, seed law compliance, and trade practices. M. T. Munn and E. F. Hopkins. (New York State Sta. Bul. 504, pp. 35. Nov., 1923.)
- The relation of moisture content and certain other factors to the popping of popcorn. F. C. Stewart. (New York State Sta. Bul. 505, pp. 70, pls. 4. Dec., 1923.)
- Investigations of cauliflower diseases on Long Island. E. E. Clayton. (New York State Sta. Bul. 506, pp. 15, pls. 8, fig. 1. Jan., 1924.)
- Factors influencing the activity of spore-forming bacteria in soil. J. S. Joffe and H. J. Conn. (New York State Sta. Tech Bul. 97, pp. 21. Oct., 1923.)
- The relation between the clumps of bacteria found in market milk and the flora of dairy utensils. W. A. Whiting. (New York State Sta. Tech. Bul. 98, pp. 36. Nov., 1923.)
- Something to think about. A partial list of products which farmers have for sale.

  (North Carolina Sta. Farmers' Market Bul., vol. 11, No. 68, pp. 8. Mar.,
  1924.)
- Better flaxseed production. T. E. Stoa. (North Dakota Sta. Circ. 23, pp. 8, figs. 8. Feb., 1924.)
- The red and white currants. P. Thayer. (Ohio Sta. Bul. 371, pp. 305-394, pls. 14, figs. 8. June, 1923.)
- Adjusting production to meet home market demands in Blair County, Pennsylvania, R. B. Dunlap, B. H. Critchfield, and M. V. Carroll. (Pennsylvania Sta. Bul. 184, pp. 51, figs. 16. Jan., 1924.)
- The influence of individuality, age and season upon the weights of fleeces produced by range sheep. J. L. Lush and J. M. Jones. (Texas Sta. Bul. 311, pp. 45, figs. 8. Sept., 1923.)
- Rice bran and rice polish for growing and fattening pigs. G. R. Warren and D. W. Williams. (Texas Sta. Bul. 313, pp. 18. Oct., 1923.)
- Experiments with bright tobacco and other crops grown on bright tobacco farms.

  T. B. Hutcheson and D. J. Berger. (Virginia Sta. Bul. 233, pp. 19, fig. 1. Sept., 1923.)
- Washington oats. E. G. Schafer, E. F. Gaines, and O. E. Barbee. (Washington State Sta. Bul. 179, pp. 29, figs. 12., Dec., 1923.)
- Stationary spray plants. O. M. Morris. (Washington State Sta. Pop. Bul. 125, pp. 20, figs. 10. Jan., 1924.)
- Bi-monthly bulletin. (Western Washington Sta. Bi-mo. Bul., vol. 11, No. 6, pp. 113-136. Mar., 1924.)
- Emergency Hay crops. G. B. Mortimer. (Wisconsin Sta. Bul. 359, pp. 16, figs. 5, Jan., 1924.)
- Strawberry culture in Wisconsin. J. G. Moore. (Wisconsin Sta. Bul. 360, pp. 24, figs. 10. Feb., 1924.)

#### UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIMENT STATIONS -E. W. ALLEN, Chief.

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LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING APRIL AND MAY,
1924.

Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF ACRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- Design and construction of small concrete-lined canals. W. E. Code. (Arizona Sta. Bul. 97, pp. 37, figs. 23. Sept., 1923.)
- The sorghums in Arizona. G. E. Thompson. (Arizona Sta. Bul. 98, pp. 41-66, figs. 8, Dec., 1923.)
- The cost of producing market milk and butterfat on 246 California dairies.
  R. L. Adams. (California Sta. Bul. 372, pp. 164, figs. 20. Nov., 1923.)
- A survey of orchard practices in the citrus industry of Southern California. R. S. Vaile. (California Sta. Bul. 374, pp. 40, figs. 4. Jan., 1924.)
- Some mutual effects on soil and plant induced by added solutes. J. S. Burd and J. C. Martin. (California Sta. Tech. Paper 13, pp. 27, figs. 3. Dec., 1923.)
- Better forests for Connecticut. H. W. Hicock. (Connecticut State Sta. Bul. 253, pp. 129-140, figs. 5. Jan., 1924.)
- Report of the Director for the year ending October 31, 1923. W. L. Slate, jr. (Connecticut State Sta. Bul. 254, pp. 141-159. Jan., 1924.)
- Feeding young chickens in confinement. L. C. Dunn. (Connecticut Storrs Sta. Bul. 116, pp. 16, figs. 4. Mar., 1924.)
- Fruit jellies. -- II, The role of sugar. L. W. Tarr and G. L. Baker. (Delaware Sta. Bul. 136, pp. 29. Mar., 1924.)
- Miscellaneous soil samples Their value. R. E. Neidig and G. R. McDole. (Idaho Sta. Circ. 33, pp. 4. Jan., 1924.)
- Alfalfa weevil and its control in Idaho. C. Wakeland. (Idaho Sta. Circ. 34, pp. 11. Jan., 1924.)

- Federation wheat. A. E. McClymonds and C. B. Ahlson. (Idaho Sta. Circ. 35, pp. 11, figs. 3. Jan., 1924.)
- Publications available for free distribution. (Idaho Sta. Circ. 35, pp. 4. Jan., 1924.)
- A modification of the Babcock test for the determination of fat in buttermilk.

  P. H. Tracy and O. R. Overman. (Illinois Sta. Bul. 248, pp. 63-70. Jan., 1924.)
- Inspection of agricultural seeds. E. G. Proulx et al. (Indiana Sta. Bul. 276, pp. 72, figs. 3. Jan., 1924)
- Management of the light colored clay and silt loam soils. A. T. Wiancko. (Indiana Sta. Circ. 115, pp. 20, figs. 5. Jan., 1924.)
- Stallion enrollmen. -- XII, Report of stallion enrollment work for the year 1923, with lists of stallions and jacks enrolled. (Indiana Sta. Circ. 116, pp. 55. Dec., 1923.)
- Purdue handbook of agricultural facts, 1924. (Indiana Sta., pp. 223, figs. 35.)
- Concrete fence posts. J. B. Davidson, (Icwa Sta. Bul. 219, pp. 17-44, figs. 29. Jan., 1924.)
- Soil survey of Iowa---Fayette County. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 30, pp. 70, pls. 2, figs. 13. Mar., 1923.)
- Soil survey of Iowa---Wright County. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 31, pp. 64, pl. 1, figs. 11. June, 1923.)
- Annual report for the fiscal year ending June 30, 1923, Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts. C. F. Curtiss. pp. 63.
- Potato disease control in Kansas. E. A. Stokdyk and L. E. Melchers. (Kansas Sta. Bul. 231, pp. 45, figs. 16. Mar., 1924.)
- Seeding small grain in furrows. S. C. Salmon. (Kansas Sta. Tech. Bul. 13, pp. 55, figs. 16. Jan., 1924.)
- How to produce ice cream with a low bacterial content. A. C. Fay and N. E. Olson. (Kansas Sta. Circ. 103, pp. 4. Feb., 1924.)
- A simplified method of standardizing the ice cream mix. N. E. Olson. (Kansas Sta. Circ. 104, pp. 12. Mar., 1924.)
- Silage feeding investigations, 1922-23. C. W. McCampbell and W. R. Horlacher. (Kansas Sta. Circ. 105, pp. 10, figs. 2. Mar., 1924.)
- Feeds and their use--Inspection and analyses. J. D. Turner, H. D. Spears, and E. L. Jackson. (Kentucky Sta. Bul. 249, pp. 87-327. Oct., 1923.)

- Calcium metabolism in the laying hen. G. D. Buckner, J. H. Martin, and A. M. Peter. (Kentucky Sta. Bul. 250, pp. 329-367. Oct., 1923.)
- The Mexican bean beetle in Kentucky. H. Garman. (Kentucky Sta. Circ. 31, pp. 16, figs. 8. Dec., 1923.)
- Marls for liming soils. S. C. Jones. (Kentucky Sta. Circ. 32, pp. 12, figs. 3. Apr., 1924.)
- "Dry rot" in buildings and building material. C. W. Edgerton. (Louisiana Stas. Bul. 190, pp. 12, figs. 5. Apr., 1924.)
- The summer food plants of the green apple aphid. E. M. Patch. (Maine Sta. Bul. 313, pp. 43-68, figs. 8. Oct., 1923.)
- Insecticides and fungicides, 1923. J. M. Bartlett. (Maine Sta. Off. Insp. 110, pp. 53-60. Dec., 1923.)
- Is there normally a cross transfer of foods, water and mineral nutrients in woody plants? E. C. Auchter. (Maryland Sta. Bul. 257, pp. 31-62. Sept., 1923.)
- Changes in quality and chemical composition of parsnips under various storage conditions. V. R. Boswell. (Maryland Sta. Bul. 258, pp. 59-86, figs. 8. Oct., 1923.)
- Some studies in the production of double blooms of stocks (Matthiola incana annua). T. H. White. (Maryland Sta. Bul. 259, pp. 85-104, figs. 3. Nov., 1923.)
- The effect of heat upon the availability of phosphorus in basic phosphate rock.

  A. G. McCall and C. P. Wilhelm. (Maryland Sta. Bul. 260, pp. 101-120, figs. 3. Dec., 1923.)
- The control of truck crop pests by dusting. E. N. Cory and S. F. Potts. (Maryland Sta. Bul. 261, pp. 119-157, figs. 17. Feb., 1924.)
- Spraying for control of disease and insects of the apple. R. A. Jehle and E. N. Cory. (Maryland Sta. Bul. 262, pp. 155-168. Mar., 1924.)
- The value of buttermilk and lactic acid in pig feeding. J. B. Lindsey and C. L. Beals. (Massachusetts Sta. Bul. 217, pp. 61-67. Sept., 1923.)
- Control of the squash vine borer in Massachusetts. H. N. Worthley. (Massachusetts Sta. Bul. 218, pp. 69-80, pls. 2, figs. 2. Oct., 1923.)
- Combating apple scab. -- Spraying and dusting experiments in 1923, with summary of three years' results. W. L. Doran and A. V. Osmun. (Massachusetts Sta. Bul. 219, pp. 17. Jan., 1924.)
- The inheritance of fertility and hatchability in poultry. F. A. Hayes and R. Sanborn. (Massachusetts Sta. Tech. Bul. 6, pp. 19-42. Jan., 1924.)

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- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 423, pp. 4. Mar., 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 424, pp. 4. Apr., 1924.)
- Michigan potato diseases. G. H. Coons and J. E. Kotila. (Michigan Sta. Spec. Bul. 125, pp. 5, figs. 47. Dec., 1923.)
- Sandy soils of southern peninsula of Michigan. M. M. McCool and J. O. Veatch. (Michigan Sta. Spec. Bul. 125, pp. 31, figs. 17. Jan., 1924.)
- Bean growing in Michigan. J. F. Cox and H. R. Pettigrove. (Michigan Sta. Spec. Bul. 129, pp. 21, figs. 17. Apr., 1924.)
- The clovers and clover seed production in Michigan. J. F. Cox and C. R. Megee. (Michigan Sta. Spec. Bul. 130, pp. 23, figs. 14. Mar., 1924.)
- Tomato growing in Michigan. E. P. Lewis. (Michigan Sta. Spec. Bul. 131, pp. 14, figs. 11. Mar., 1924.)
- Some physical and chemical properties of several soil profiles. L. C. Wheeting. (Michigan Sta. Tech. Bul. 62, pp. 31, figs. 6. Jan., 1924.)
- Studies in Michigan celery diseases. -- II, A study of the early blight fungus, Cercospora apii Fres. L. J. Klotz. (Michigan Sta. Tech. Bul. 63, pp. 43, figs. 10. Nov., 1923.)
- The simplex lime spreader. H. H. Musselman. (Michigan Sta. Circ. 62, pp. 7, figs. 5. Mar., 1924.)
- Wheat and flax as combination crops. A. C. Arny. (Minnesota Sta. Bul. 206, pp. 12, figs. 3. Mar., 1924.)
- Factors influencing the pathogenicity of Helminthosporium sativum. L. Dosdall. (Minnesota Sta. Tech. Bul. 17, pp. 47, pls. 6, figs. 7. July, 1923.)
- Wheat scab in Minnesota, J. MacInnes and R. Fogelman. (Minnesota Sta. Tech. Bul. 18, pp. 34, pls. 9, figs. 4. Aug., 1923.)
- Report of Northeast Demonstration Farm and Experiment Station, Duluth [Minnesota], 1922 and 1923. M. J. Thompson. pp. 36, figs. 9.
- Erosion and surface runoff under different soil conditions. F. L. Duley and M. F. Miller. (Missouri Sta. Research Bul. 53, pp. 50, figs. 22. Dec., 1923.)
- Silage investigations. -- Loss of nutrients in the silo and during the field curing of corn. A. C. Ragadale and C. W. Turner. (Missouri Sta. Research Bul. 65, pp. 10. Feb., 1924.)

- Self-feeders for fattening swine. L. A. Weaver. (Missouri Sta. Circ. 118, pp. 8, fig. 1. Apr., 1924.)
- The pickle worm and its control. K. C. Sullivan. (Missouri Sta. Circ. 122, pp. 4, figs. 2. June, 1924.)
- Growing and using sweet clover in Montana. C. McKee. (Montana Sta. Circ. 118, pp. 32, figs. 16. Oct., 1923.)
- Farm rental terms. H. E. Selby. (Montana Sta. Circ. 119, pp. 16. Nov., 1923.)
- Bee diseases in Montana. O. A. Sippel. (Montana Sta. Circ. 120, pp. 14, figs. 5. Dec., 1923.)
- Poultry feeding in Montana. G. P. Goodearl. (Montana Sta. Circ. 121, pp. 13. Dec., 1923.)
- Bone chewing by cattle. H. Welch. (Montana Sta. Circ. 122, pp. 8, figs. 2. Jan., 1924.)
- Cyanide for bed bugs. A. L. Strand. (Montana Sta. Circ. 123, pp. 7, figs. 3. Feb., 1924.)
- Effect of environment on potato degeneration diseases. R. W. Goss. (Nebraska Sta. Research Bul. 26, pp. 40, figs. 3. Mar., 1924.)
- The peach tree borer in New Jersey (with notes on similar pests). A. Peterson. (New Jersey Stas. Bul. 391, pp. 143, figs. 26. Aug., 1923.)
- Analyses of commercial fertilizers, fertilizer supplies and home mixtures for 1923. C. S. Cathcart. (New Jersey Stas. Bul. 393, pp. 37. Nov., 1923.)
- Analyses of commercial fertilizers and ground bone; analyses of agricultural line, 1923. C. S. Cathcart. (New Jersey Stas. Bul. 395, pp. 38. Dec., 1923.)
- Fertilizer registrations for 1924. C. S. Cathcart. (New Jersey Stas. Bul. 396, pp. 27. Jan., 1924.)
- Spray calendar for apples and quinces. (New Jersey Stas. Circ. 162, pp. 4, fig. 1. Feb., 1924.)
- Spray calendar for peaches. (New Jersey Stas. Circ. 163, pp. 4, figs. 3. Feb., 1924.)
- Spray calendar for pears. (New Jersey Stas. Circ. 164, pp. 4, figs. 3. Feb., 1924.)
  - Spray calendars for plums and cherries. (New Jersey Stas. Circ. 165, pp. 4, fig. 1. Feb., 1924.)
  - Spray calendar for grapes. (New Jersey Stas. Circ. 166, pp. 4, fig. 1. Feb., 1924.)

- Tentative plan for combating oriental peach moth. T. J. Headlee. (New Jersey Stas. Circ. 167, pp. 4, figs. 3. Mar., 1924.)
- Spray to prevent the attack of Japanese beetle. (New Jersey Stas. Circ. 168, pp. 4, figs. 2. Mar., 1924.)
- Diseases of baby chicks. F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 5, pp. 4, figs. 2. Mar., 1924.)
- Why chicks die. W. H. Allen. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 7, pp. 4. Apr., 1924.)
- The utilization of feed by range steers of different ages. M. G. Snell. (New Mexico Sta. Bul. 140, pop. ed., pp. 7. Dec., 1923.)
- Thirty-fourth annual report, Agricultural Experiment Station of the New Mexico College of Agriculture and Mechanic Arts, 1922-1923. pp. 50, figs. 2.
- The inheritance of a lethal pale green seedling character in maize. A. M. Brunson. (New York Cornell Sta. Mem. 72, pp. 22, pl. 1. Jan., 1924.)
- Crown-gall of apple and peach, with notes on the biology of Bacterium tumefaciens.

  D. Reddick and V. B. Stewart. (New York Cornell Sta. Mem. 73, pp. 19, pls.

  2, figs. 4. Mar., 1924.)
- Catalese activity in dormant apple twigs. -- Its relation to the condition of the tissue, respiration, and other factors. A. J. Heinicke. (New York Cornell Sta. Mem. 74, pp. 33, fig. 1. Mar., 1924.)
- The popping of popcorn. J. D. Luckett. (New York State Sta. Bul. 505, pop. ed., pp. 13, figs. 3. Feb., 1924.)
- The quality of packet vegetable seed on sale in New York. M. T. Munn and E. F. Hopkins. (New York State Sta. Bul. 507, pp. 23. Jan., 1924.)
- Guide to station buildings and fields. (New York State Sta. Circ. 68, pp. 4, figs. 3. [1923.])
- Cash and share renting of farms. A. H. Benton. (North Dakota Sta. Bul. 171, pp. 51, figs. 11. Feb., 1924.)
- Dockage in wheat in North Dakota. Foster County in detail. A. H. Benton. (North Dakota Sta. Bul. 172, pp. 15, figs. 7. Feb., 1924.)
- Onion growing in Novth Dakota. A. F. Yeager. (North Dakota Sta. Bul. 173, pp. 12, figs. 7. Feb., 1924.)

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- Report of a farm credit survey of four townships, Foster County, North Dakota. R. E. Willard. (North Dakota Sta. Bul. 175, pp. 26. Feb., 1924.)
- Effect of first generation hybrids upon yield of corn. L. R. Waldron. (Morth Dakota Sta. Bul. 177, pp. 16, figs. 2. Apr., 1924.)
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- Flamened production. T. E. Stoa and A. C. Dillman. (North Dakota Sta. Bul. 178, pp. 45, figs. 11. Apr., 1924.)
- Popcorn pointers. A. F. Yeager. (North Dakota Sta. Circ. 24, pp. 8, figs. 3. Apr., 1924.)
- The apple flea-weevil. J. S. Houser. (Ohio Sta. Bul. 372, pp. 393-434, figs. 16. June, 1923.)
- Forty-second annual report for 1922-1923. C. G. Williams. (Ohio Sta. Bul. 373, pp. 92 + [6], figs. 9. June, 1923.)
- The monthly bulletin. (Ohio Sta. Mo. Bul., vol. 9, No. 1 2, pp. 32, figs. 18. Jan.-Feb., 1924.)
- Life history studies of Mysus persicae Sulzer. J. L. Horsfall. (Pennsylvania Sta. Bul. 185, pp. 15, figs. 3. Feb., 1924.)
- The control of plant lice on vegetables. J. L. Horsfall. (Pennsylvania Sta. Bul. 186, pp. 16, figs. 6. Mar., 1924.)
- Soy beans: Their culture and uses. C. F. Noll and R. D. Lewis. (Pennsylvania Sta. Bul. 187, pp. 15, fig. 1. Apr., 1924.)
- Inspection of feeds. J. B. Smith and W. L. Adams. (Rhode Island Sta. Ann. Feed Circ., pp. 12. Apr., 1924.)
- Cotton production, factors affecting earliness and yield. C. P. Blackwell and T. S. Buie. (South Carolina Sta. Bul. 219, pp. 48, figs. 9. Mar., 1924.)
- Annual report of the Director South Dakota Agricultural Experiment Station for the fiscal year ending June 30, 1923. J. W. Wilson et al. pp. 36.
- Twenty-ninth annual report of the agricultural experiment station of the University of Tennessee for 1916. H. A. Morgan et al. pp. 18, fig. 1.
- Thirtieth annual report of the agricultural experiment station of the University of Tennessee for 1917. H. A. Morgan et al. pp. 14, fig. 1.
- Thirty-first annual report of the agricultural experiment station of the University of Tennessee for 1918. H. A. Morgan et al. pp. 16, figs. 2.
- Thirty-second annual report of the agricultural experiment station of the University of Tenuessee for 1919. C. A. Mooers et al. pp. 20, figs. 3.
- Thirty-third annual report of the agricultural experiment station of the University of Tennessee for 1920. C. A. Mooers et al. pp. 18, fig. 1.
- Thirty-fourth annual report of the agricultural experiment station of the University of Tennessee for 1921. C. A. Mooers et al. pp. 19, fig. 1.
- Thirty-fifth annual report of the agricultural experiment station of the University of Tennessee for 1922, C. A. Mooers et al. pp. 22, fig. 1.

- Commercial feeding stuffs, September 1, 1922, to August 31, 1923. B. Youngblood, F. D. Fuller, and S. D. Pearce. (Texas Sta. Bul. 314, pp. 134. Nov., 1923.)
- Digestion experiments with oat by-products and other feeds. G. S. Fraps. (Texas Sta. Bul. 315, pp. 12, fig. 1. Feb., 1924.)
- Brooding and feeding chicks. B. Alder. (Utah Sta. Circ. 50, pp. 16, figs. 3. Mar., 1924.)
- Foot-and-mouth disease. H. J. Frederick. (Utah Sta. Circ. 51, pp. 4. May, 1924.)
- Soy bear culture. T. K. Wolfe. (Virginia Sta. Bul. 235, pp. 32, figs. 15. Mar., 1924.)
- Apple scab and its control in Virginia. F. J. Schneiderhan and F. D. Fromme. (Virginia Sta. Bul. 236, pp. 29, figs. 7. Mar., 1924.)
- Washington barleys. E. G. Schafer, E. F. Gaines, and O. E. Barbee. (Washington Sta. Bul. 181, pp. 25, figs. 5. Feb., 1924.)
- Bi-monthly bulletin. (Western Washington Sta. Bi-mo. Bul., vol. 12, No. 1, pp. 24. May, 1924.)
- Orchard spraying. L. M. Peairs and E. C. Sherwood. (West Virginia Sta. Circ. 36. pp. 20. Mar., 1924.)
- Liming Wisconsin soils. A. R. Whitson, G. Richards, and H. W. Ullsperger. (Wisconsin Sta. Bul. 361, pp. 24, figs. 13. Feb., 1924.)
- New facts in farm science.—The fortieth annual report of the Director, 1922-1923. H. L. Russell and F. B. Morrison. (Wisconsin Sta. Bul. 362, pp. 115, figs. 40. Mar., 1924.)
- Farm orchards. J. G. Moore. (Wisconsin Sta. Bul. 363, pp. 35, figs. 25. Apr., 1924.)
- Thirty-third annual report of the University of Wyoming Agriculture Experiment Station, 1922-1923. J. A. Hill. pp. 43-74, fig. 1.

UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIMENT STATIONS

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E. W. ALLEN, Chief.

LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING JUNE, 1924.

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- Sun-drying and dehydration of walnuts. L. D. Batchelor, A. W. Christie, E. H. Guthier and R. G. LaRue. (California Sta. Bul. 376, pp. 26, figs. 9. Mar., 1924.)
- California farm tenancy and methods of leasing. R. L. Adams. (California Sta. Circ. 272, pp. 48. Nov., 1923.)
- Saving the gophered citrus tree. R. W. Hodgson, (California Sta. Circ. 273, pp. 19, figs. 10. Dec., 1923.)
- Marketable California decorative greens. C. L. Flint. (California Sta. Circ. 275, pp. 15, figs. 6. Feb., 1924.)
- The effects of nitrates on the composition of the potato. W. P. Headden. (Colorado Sta. Bul. 291, pp. 32. Apr., 1924.)
- Hardy varieties of apples for northeastern Colorado. E. P. Sandsten. (Colorado Sta. Bul. 292, pp. 8. May. 1924.)
- The thirty-sixth annual report of the Colorado Agricultural Experiment Station for the year 1923. C. P. Gillette et al. pp. 40.
- Recommendations for the control of wildfire (revised). (Connecticut State Sta., Tobacco Substation [Windsor, Conn.] Bul. 4, pp. 2. Mar., 1924.)
- Top-working pecan trees. G. H. Blackmon. (Florida Sta. Bul. 170, pp. 165-188, figs. 21. May, 1924.)
- Preliminary report on experiments with the tung-oil tree in Florida. W. Newell. (Florida Sta. Bul. 171, pp. 189-234, figs. 20. May, 1924.)
- Fall-sown grain in the coastal plain of Georgia. W. J. Davis. (Georgia Coastal Plain Sta. [Tifton, Ga.] Circ. 1, pp. 4. October, 1921.)
- Tifton bur clover. W. J. Davis. (Georgia Coastal Plain Sta. [Tifton, Ga.] Circ. 2, pp. 4, fig. 1. July, 1923.)
- Bright tobacco culture in Georgia. J. C. Hart. (Georgia Coastal Plain Sta. [Tifton, Ga.] Circ. 3, pp. 8, figs. 7. Jan., 1924.)

- Steer feeding experiments, 1922-1923. C. W. Hickman and E. F. Rinehart. (Idaho Sta. Circ. 31 [32], pp. 4. Sept., 1923.)
- Calcium cyanide for chinch-bug control. W. P. Flint and W. V. Balduf. (Illinois Sta. Bul. 249, pp. 71-84, figs. 6. May, 1924.)
- The value of mineral supplements in swine feeding. J. B. Rice and H. H. Mitchell. (Illinois Sta. Bul. 250, pp. 88-110. May, 1924.)
- Blooming periods of apples. C. S. Crandall. (Illinois Sta. Bul. 251, pp. 111-145, May, 1924.)
- The feeding of mineral supplements to live stock. H. H. Mitchell. (Illinois Stactice. 281, pp. 4. May, 1924.)
- Vitamins in live-stock feeding. H. H. Mitchell and M. H. Keith. (Illinois Sta. Circ. 282, pp. 20, figs. 5. June, 1924.)
- Grundy County soils. R. S. Smith, E. E. De Turk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 26, pp. 56, pls. 2, figs. 6. Mar., 1924.)
- Commercial feeding stuffs. E. G. Proulx et al. (Indiana Sta. Bul. 278, pp. 23. Apr., 1924.)
- Report of Moses Fell Annex, Bedford, Indiana, June, 1924. H. J. Reed and E. W. Moore. (Indiana Sta. Circ. 117, pp. 20, figs. 15. June, 1924.)
- Thirty-sixth annual report of the Purdue University Agricultural Experiment Station, Lafayette, Indiana, for the year ending June 30, 1923. G. I. Christie and H. J. Reed. pp. 79, figs. 29.
- Bacillary white diarrhea. A. J. Steiner. (Kentucky Sta. Circ. 33, pp. 8, Apr., 1924.)
- Thirty-fifth annual report of the agricultural experiment stations of Louisiana State University and Agricultural and Mechanical College for 1923. W. R. Dodson. pp. 61. Feb., 1924.
- Studies on conformation in relation to milk producing capacity in cattle.—III, Conformation and milk yield in the light of the personal equation of the dairy cattle judge. J. W. Gowen. (Maine Sta. Bul. 314, pp. 67-96, fig. 1. Nov., 1923.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station.

  J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 425, pp. 4)

  May, 1924.)
- Common pests of field and garden crops. R. H. Pettit. (Michigan Sta. Spec. Bul. 132, pp. 60, figs. 41. Mar., 1924.)
- The quarterly bulletin. (Michigan Sta. Quart. Bul., vol. 6, No. 4, pp. 145-199, figs. 17. May, 1924.)

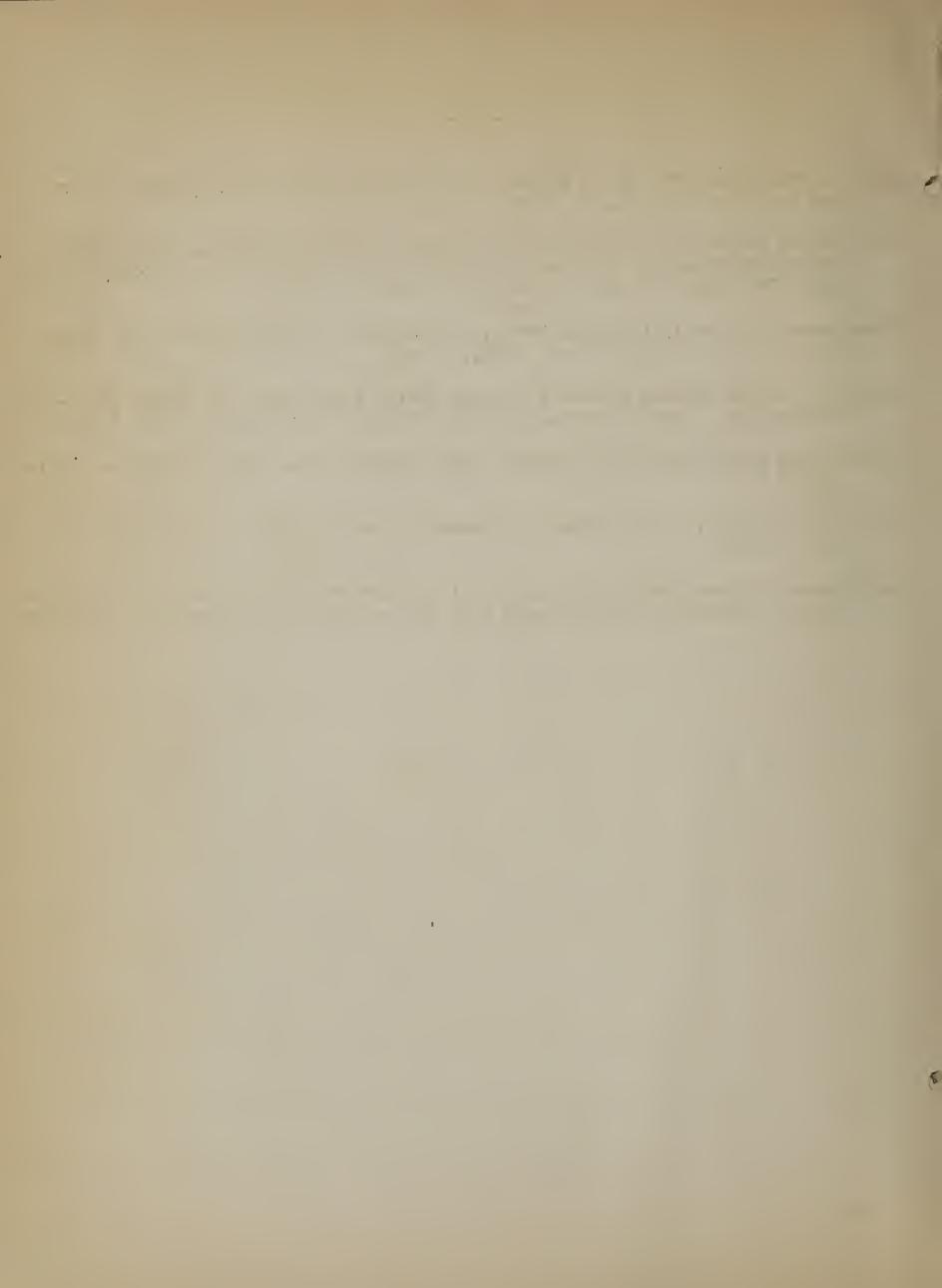
- Contributions to knowledge in agriculture. One year's work, agricultural experiment station (Report of the Director; July 1, 1922, to June 30, 1923.) F. B. Mumford. (Missouri Sta. Bul. 210, pp. 77, figs. 21. Feb., 1924.)
- Controlling surface erosion of farm lands. F. L. Duley. (Missouri Sta. Bul. 211, pp. 23, figs. 17. Apr., 1924.)
- Tomato culture in Missouri. J. T. Quinn. (Missouri Sta. Bul. 212, pp. 16, figs. 5. May, 1924.)
- Costs of family living on the farm. O. R. Johnson. (Missouri Sta. Bul. 213, pp. 20, figs. 9. May, 1924.)
- Testing milk and cream. W. P. Hays. (Missouri Sta. Circ. 119, pp. 11, figs. 16. Apr., 1924.)
- Pruning apple and pear trees. T. J. Talbert. (Missouri Sta. Circ. 120, pp. 16, figs. 13. May, 1924.)
- Inoculation for legumes. W. A. Albrecht. (Missouri Sta. Circ. 121, pp. 12, figs. 5. May, 1924.)
- Sunflowers under irrigation in Montana. I. J. Jensen. (Montana Sta. Bul. 162, pp. 19, figs. 11. Dec., 1923.)
- Spraying for oyster-shell scale. R. A. Cooley, J. R. Parker, and W. S. Regan. (Montana Sta. Circ. 124, pp. 15, figs. 4. Mar., 1924.)
- Growing field beans in Montana. C. McKee. (Montana Sta. Circ. 125, pp. 8. Apr., 1924.)
- An agricultural program for Montana. A. Atkinson. (Montana Sta. [Pamphlet], pp. 13. [1924])
- Studies on the biology of sewage disposal. W. Rudolfs. (New Jersey Stas. Bul. 390, pp. 78, figs. 33. July, 1923.)
- Results of seed and legume inoculant inspection for 1923. J. G. Fiske. (New Jersey Stas. Bul. 397, pp. 67. Mar., 1924.)
- Lettuce growing in New Jersey. H. F. Huber. (New Jersey Stas. Circ. 155, pp. 24, figs. 16. Mar., 1924.)
- Propagation and top-working of orchard fruits. R. P. Armstrong and F. J. Rimoldi, (New Jersey Stas. Circ. 158, pp. 31, figs. 17. Mar., 1924.)
- Care and management of baby chicks. W. C. Thompson and N. R. Mehrhof. (New Jersey Stas. Circ. 169, pp. 32, figs. 31. Mar., 1924.)
- The New Jersey multiple brooder house. W. P. Thorp, jr. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 8, pp. 4, fig. 1. May, 1924.)

- A description of the method of collecting blood samples from breeding stock to be tested for "carriers" of bacillary white diarchea. F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 9, pp. 4. June, 1924.)
- Forty-third annual report of the New Jersey State Agricultural Experiment Station and the thirty-fifth annual report of the New Jersey Agricultural College Experiment Station for the year ending June 30, 1922. J. G. Lipman et al. pp. 600, pls. 37, figs. 27.
- The movement of farm population. E. C. Young. (New York Cornell Sta. Bul. 426, pp. 95, figs. 7. Mar., 1924.)
- Studies of fruit seed storage and germination. H. B. Tukey. (New York State Sta. Bul. 509, pp. 19. Jan., 1924.)
- Twenty years' profits from an apple orchard. U. P. Hedrick. (New York State Sta. Bul. 510, pp. 14, figs. 2. Jan., 1924.)
- Composition and prices of commercial fertilizers in New York in 1923. L. L. Van Slyke. (New York State Sta. Bul. 511, pp. 16. Feb., 1924.)
- Cabbage seedbed diseases and Delphinium root rots, their relation to certain methods of cabbage maggot control, W. O. Gloyer and H. Glasgow. (New York State Sta. Bul. 513, pp. 38, pls. 6. Feb., 1924.)
- New or noteworthy fruits, VII. U. P. Hedrick. (New York State Sta. Bul. 514, pp. 10, pls. 6. Feb., 1924.)
- Composition of official samples of feeding stuffs and mixtures collected in New York from January to July, 1923. L. L. Van Slyke. (New York State Sta. Bul. 515, pp. 18, Feb., 1924.)
- Major plant communities of North Carolina. B. W. Wells. (North Carolina Sta. Tech, Bul. 25, pp. 20, figs. 15. Apr., 1924.)
- Sheep feeding investigations. -- Comparative rations for fattening wether lambs.

  A. E. Darlow. (Oklahoma Sta. Bul. 145, pp. 7. [1923.])
- Cattle feeding investigations. -- Finishing baby beef. W. L. Blizzard. (Oklahoma Sta. Bul. 147, pp. 8. [1923.])
- Swine feeding investigations. -- Oklahoma feeds and how to prepare them. C. P. Thompson. (Oklahoma Sta. Bul. 148, pp. 8. Oct., 1923.)
- The relation of humidity to the texture, weight and volume of filberts. H. Hartman. (Oregon Sta. Bul. 202, pp. 22, figs. 7. Apr., 1924.)
- Forage crops for Oregon coast counties. A. E. Engbretson and G. R. Hyslop. (Oregon Sta. Bul. 203, pp. 32, figs. 5. May, 1924.)

- Cost of producing pork. E. L. Potter, H. A. Lindgren, and A. W. Oliver. (Oregon Sta. Circ. 56, pp. 12, figs. 3. May, 1924.)
- The present status of the oriental fruit moth in northern Virginia, with report of recent orchard spraying experiments on its control. L. A. Stearns. (Virginia Sta. Bul. 234, pp. 28, figs. 10. Feb., 1924.)
- Experiments in fertilizing peach trees. H. L. Crane. (West Virginia Sta. Bul. 183, pp. 72, figs. 24. Mar., 1924.)
- Amount of carbon dioxide given off by eggs during incubation. H. Atwood and C. E. Weakley, jr. (West Virginia Sta. Bul. 185, pp. 15, figs. 5. Mar., 1924.)
- Fertilizing peach trees. H. L. Crane. (West Virginia Sta. Circ. 37, pp. 4. Apr., 1924.)
- Why some farms pay. P. E. McNall. (Wisconsin Sta. Bul. 364, pp. 23, figs. 7. June, 1924.)
- Anthracnose of cane fruits and its control on black raspberries in Wisconsin, L.K.

  Jones. (Wisconsin Sta. Research Bul. 59, pp. 26, pls. 8, figs. 4. May, 1924.)



UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF EXPERIMENT STATIONS
E. W. ALLEN, Chief.



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
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Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- The self-feeder as a labor saver. H. E. Dvorachek and H. A. Sandhouse. (Arkansas Sta. Bul. 191, pp. 10, figs. 3. May, 1924.)
- The results of fertilizer experiments, 1922-1923. M. Nelson and W. H. Sachs. (Arkansas Sta. Bul. 192, pp. 12, figs. 2. June, 1924.)
- The strawberry weevil. W. J. Baerg. (Arkansas Sta. Circ. 50, pp. 7, figs. 3. June, 1924.)
- Results of rice experiments at Cortena, 1923, and Progress in experiments in water grass control at the Biggs Rice Field Station, 1922-23. C. F. Dunshee and J. W. Jones. (California Sta. Bul. 375, pp. 38, figs. 6. Feb., 1924.)
- Fusarium wilt of tomato and its control by means of resistant varieties. J. W. Lesley. (California Sta. Circ. 274, pp. 6, figs. 2. Jan., 1924.)
- Report of the College of Agriculture and the Agricultural Experiment Station of the University of California, July 1, 1922, to June 30, 1923. T. F. Hunt, C. M. Haring, et al. pp. 476, pls. 2, figs. 177.
- The twenty-eighth report on food products and the sixteenth report on drug products 1925. E. M. Bailey. (Connecticut State Sta. Pul. 255, pp. 161-219. Feb., 1924.)
- Twenty-third report of the State entomologist of Connecticut, 1923. W. E. Britton et al. (Connecticut State Sta. Bul. 256, pp. 221-316, pls. 16, figs. 8. Feb., 1924.)
- Report on inspection of commercial feeding stuffs, 1923. H. M. Bailey. (Connecticut State Sta. Bul. 257, op. E17-359. Apr., 1924.)
- Biennial reports of the Storrs Agricultural Experiment Station, Storrs, Connecticut 1920 1923. E. H. Jenkins. pp. XIII.
- Fifteen years of field experiments with manure, fertilizers and lime on sassafras silt loam soil. G. L. Schuster. (Delaware Sta. Bul. 157, pp. 45, fig. 1. June, 1924.)

- Report of the Hawaii Agricultural Experiment Station, 1922. J. M. Westgate et al. pp. 23, pls. 9. July, 1924.
- Report of the Hawaii Agricultural Experiment Station, 1923. J. H. Westgate et ? pp. 16, pls. 2. July, 1924.
- The Hawaiian tree fern as a conmercial source of starch. J. C. Ripperton. (Hawaii Sta. Ful. 55, pp. 16, pls. 7, figs. 2. July, 1924.)
- Work and progress of the agricultural experiment station for the year ended December 31, 1923. E. J. Iddings. (Idaho Sta. 1.1. 133, pp. 19. Jan., 1924.)
- The value of certain protein feeds for production and quality in eggs. Three years' work--1920-27. R. T. Parkhurst. (Idaho Sta. Bul. 134, pp. 8, figs. 3. May, 1924.)
- The organization and direction of clothing clubs. H. M. Phillips, F. Mallory, and M. Haugh. (Illinois Sta. Circ. 280, pp. 43, figs. 6. Apr., 1924.)
- Vitamins in live-stock feeding. H. H. Mitchell and M. H. Keith. (Illinois Sta. Circ. 282, abs., pp. 4. June, 1924.)
- Feeding spring pigs for market. J. M. Vestal. (Indiana Sta. Bul. 279, pp. 15, figs. 5. Feb., 1924.)
- Commercial fertilizers. E. G. Proulm et al. (Indiana Sta. Bul. 280, pp. 59, fig. l. May, 1924.)
- Results of soil fertility investigations, 1913-1922, [North Vernon Experiment Field]. (Indiana Sta. [Pamphlet], pp. 4.)
- Results of soil fertility investigations, 1905-1922, [Scottsburg Experiment Field]. (Indiana Sta. [Pamphlet], pp. 4.)
- The pasture problem in Iowa. W. H. Stevenson, L. W. Forman, and P. E. Brown. (Iowa Sta. Circ. 89, pp. 15, figs. 2. May, 1924.)
- Melon and cucumber insects. C. J. Drake and F. A. Fenton. (Towa Sta. Circ. 90, pp. 8, figs. 11. May, 1924.)
- Raising dairy calves. E. Weaver, J. M. Shaw, and F. Ely. (Iowa Sta. Circ. 91, pp. 23, figs. 5. May, 1924.)
- Soil survey of Iowa. --Mills County. W. H. Stevenson, P. E. Brown, L. W. Forman, and M. J. Russell. (Iewa Sta. Soil Survey Rpt. 33, pp. 63, pl. 1, figs. 13. Mar., 1924.)
- Soil survey of Iowa. -- Boone County. W. H. Stevenson, P. E. Brown, L. W. Forman, A. M. O'Neal, and A. M. Deyoe. (Iowa Sta. Soil Survey Rpt. 34, pp. 70, pl. 1, figs. 13. Apr., 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 426, pp.4. June, 1924.)

- Bulletin summary. (Massachusetts Sta. Circ. 71, pp. 4. Feb., 1924.)
- White ants (Termites). R. H. Pettit. (Michigan Sta. Circ. 63, pp. 2, figs. 2. June, 1924.)
- Viscosity as a measure of hydration capacity of wheat flour and its relation to baking strength. P. F. Sharp and R. A. Gortner. (Minnesota Sta. Tech. Bul. 19, pp. 119, figs. 14. Oct., 1923.)
- Thirty-seventh annual report of the Agricultural Experiment Station of Nebraska, [1923]. E. A. Burnett and W. W. Burr. pp. 43.
- The relation of low temperatures to root injury of the apple. R. F. Howard. (Nebraska Sta. Bul. 199, pp. 32, figs. 4. Apr., 1924.)
- Weeds of New Jersey. J. G. Fiske, (New Jersey Stas. Circ. 161, pp. 36, figs. 25, Mar., 1924.)
- Rules for seed testing. M. T. Munn. (New York State Sta. Circ. 73, pp. 16. Feb., 1924.)
- The rose chafer. F. Z. Hartzell. (New York State Sta. Circ. 74, pp. 4, pls. 2. Mar., 1924.)
- Raspberry mosaic and blue stem. W. H. Rankin. (New York State Sta. Circ. 75, pp. 4. Mar., 1924.)
- The cabbage maggot: Its control in the seedbed. H. Glasgow. (New York State Sta. Circ. 76, pp. 4, pls. 2. Mar., 1924.)
- Forty-sixth annual report of the North Carolina Agricultural Experiment Station for the fiscal year ended June 30, 1923. Statistical report year ending December 1, 1923. B. W. Kilgore, F. E. Miller, F. H. Jeter, et. al., pp. 103, pl. 1, figs. 17.
- The monthly bulletin. (Ohio Sta. Mo. Bul., vol. 9, No. 3-4, pp. 33-72, figs. 5. Mar.-Apr., 1924.)
- Thirty-sixth annual report of the director of the [Rhode Island] Agricultural Experiment Station [1923]. B. L. Hartwell. pp. 12. Jan., 1924.
- Dark to bacco. -- Fertility experiments at the Clarksville Station -- Results from a ten-year period 1913-1922. C. A. Mocers and R. H. Milton. (Tennessee Sta. Bul. 129, pp. 23, figs. 8. June, 1924.)
- The relation between rents and agricultural land values in theory and in practice. F. A. Buechel. (Texas Sta. Bul. 318, pp. 71, figs. 12. Feb., 1924.)
- Field and laboratory notes on a fatal disease of cattle occurring on the coastal plains of Texas (loin disease). H. Schmidt. (Texas Sta. Bul. 319, pp. 32, figs. 8. Feb., 1924.)

- Cotton boll weevil control in Texas. A. B. Conner and H. J. Reinhard. (Texas Sta. Circ. 32, pp. 14. May, 1924.)
- Maintaining the productivity of irrigated land. D. W. Pittman. (Utah Sta. Eul. 188, pp. 24, figs. 8. June, 1924.)
- This public domain of ours. G. Stewart. (Utah Sta. Circ. 49, pp. 56, figs. 17. Mar., 1924.)
- Report of the Virgin Islands Agricultural Experiment Station, 1923. J. B. Thomps ct al. pp. 15, pls. 3, fig. 1. July, 1924.
- A biometrical analysis of characters of maize and of their inheritance. T. K. Wolfe. (Virginia Sta. Tech. Bul. 26, pp. 70, figs. 26. Feb., 1924.)
- The effects of fertilizers and hybridization on maturity and yield of corn. T. B. Hutcheson and T. K. Wolfe. (Virginia Sta. Tech. Bul. 27, pp. 20, figs. 3. Apr., 1924.)
- Truck crop investigations. -- Spinach fertilizers. H. H. Zimmerley. (Virginia Truck Sta. Bul. 44, pp. 279-291. July, 1923.)
- Mineral feeds for farm animals. J. Sotola, R. T. Smith, E. V. Ellington, and L. Cassel. (Washington Col. Sta. Pop. Bul. 127, pp. 19, figs. 7. Apr., 1924.)
- Bi-monthly bulletin. (Western Washington Sta. Bimo. Bul., vol. 12, No. 2, pp. 25-51, figs. 9. July, 1924.)

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- Motor driven irrigation pumping plants and the electrical district. G. E. P. Smith. (Arizona Sta. Bul. 99, pp. 61-141, pl. 1, figs. 20. Mar., 1924.)
- Studies on a nutr. tional disease of poultry caused by vitamin A deficiency. J. R. Beach. (California Sta. Bul. 378, pp. 22, figs. 7. May, 1924.)
- Home canning. W. V. Cruess and A. W. Christie. (California Sta. Circ. 276, pp. 37, figs. 11. Mar., 1924.)
- A statistical study of egg production in four breeds of the domestic fowl.-I, Egg production in Wyandottes. L. C. Dunn. (Connecticut Storrs Sta.
  Bul. 117, pp. 17-88, figs. 8. Apr., 1924.)
- A statistical study of egg production in four breeds of the domestic fowl.-II, Egg production of Rhode Island Reds. L. C. Dunn. (Connecticut
  Storrs Sta. Bul. 118, pp. 89-140, figs. 6. May, 1924.)
- Spacing of potato hills. B. A. Brown. (Connecticut Storrs Sta. Pul. 119, pp. 141-151. Apr., 1924.)
- Summer annuals for hay in Connecticut. B. A. Brown. (Connecticut Storrs Sta. Bul. 120, pp. 153-172, figs. 2. May, 1924.)
- The Guatemalan avocado in Hawaii. W. T. Pope. (Hawaii Sta. Bul. 51, pp. 24, pls. 10. Aug., 1924.)
- Manganese chlorosis of pineapples: Its cause and control. M. O. Johnson. (Hawaii Sta. Bul. 52, pp. 38, pls. 4, figs. 5. July, 1924.)
- The Hawaiian tree fern as a commercial source of starch. J. C. Ripperton. (Hawaii Sta. Bul. 53, pp. 16, pls. 7, figs. 2. July, 1924.)
- Edible canna in Hawaii. H. L. Chung and J. C. Ripperton. (Hawaii Sta. Bul. 54, pp. 16, pls. 2, figs. 4. July, 1924.)

- Report of the Hawaii Agricultural Experiment Station, 1923. J. M. Westgate et al. pp. 16, pls. 2. July, 1924.
- Work and progress of the Agricultural Emperiment Station for the year ended December 31, 1923. E. J. Iddings. (Idaho Sta. Bul. 123, pp. 19. Jan., 1924.)
- Increasing farm earnings by the use of simple farm accounts. H. C. M. Case and M. L. Mosher. (Illinois Sta. Pul. 252, pp. 147-182, figs. 8. June, 1934.)
- Sunflowers as a silage crop for dairy cows. W. B. Nevers. (Illinois Sta. Bul. 253, abs., pp. 4, figs. 2. July, 1934.)
- Hitching horses to get the most work done. E. W. Lehmann and E. T. Robbins. (Illinois Sta. Circ. 283, pp. 8, figs. 7. July, 1924.)
- A program of corn improvement. C. M. Woodworth. (Illinois Sta. Circ. 234, pp. 24, figs. 12. July, 1924.)
- Saving soil by us. of mangum terraces. E. W. Lehmann and F. P. Hanson. (Illinois Sta. Circ. 290, pp. 19, figs. 18. July, 1924.)
- A colony brooder house that starts chicks right. L. E. Card and F. P. Hanson. (Illinois Sta. Circ. 291, pp. 12, figs. 17. Aug., 1924.)
- Ensiling versus drying soft ear corn. J. M. Evvard, A. R. Lamb, E. J. Maynard, and H. D. Hughes. (Iowa Sta. Bul. 216, abridged ed., pp. 4. July, 1923.)
- Vinegar fermentation and home production of cider vinegar. A. R. Lamb and E. Wilson. (Iowa Sta. Bul. 218, abridged ed., pp. 4. Aug., 1923.)
- The copper carbonate dust method of controlling bunt of wheat. L. E. Melchers and H. B. Walker. (Kansas Sta. Circ. 107, pp. 14; figs. 5. July, 1924.)
- Thirty-fifth annual report of the Agricultural Experiment Station of the University of Kentucky, Lexington, Ky., 1922. --II, Bulletins 239 to 245, Circulars 28 to 30. pp. IV + 378 + 93, figs. 99.
- Calcium metabolism in the laying hen, II. G. D. Buckner, J. H. Martin, and A. M. Peter. (Kentucky Sta. Bul. 252, pp. 36, figs. 2. Mar., 1924.)
- Dusting and spraying cantaloupes. R. A. Jehle and S. F. Potts. (Maryland Sta. Bul. 263, pp. 169-180, figs. 6. Apr., 1924.)
- Control of the European red mite. C. C. Hamilton. (Maryland Sta. Bul. 264, pp. 181-238, figs. 8. Apr., 1924.)
- Potato sprouts as an index of seed value. C. O. Appleman. (Maryland Sta. Bul. 265, pp. 239-258, figs. 10. May, 1924.)

- What is the value of a ton of stable manure? A. G. McCall and T. H. White. (Maryland Sta. Bul. 266, pp. 259-286, figs. 4, May, 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station, J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 427, pp. 4. July, 1924.)
- Bulletin summary. (Massachusetts Sta. Circ. 71, pp. 4. Feb., 1924.)
- Fertilizers, what they are and how to use them. M. M. McCool and C. E. Millar. (Michigan Sta. Spec. Bul. 133, pp. 26, figs. 24. June, 1924.)
- Simple water systems. O. E. Robey. (Michigan Sta. Circ. 64, pp. 16, figs. 19. June, 1924.)
- Methods of corn breeding. H. K. Hayes and L. Alexander. (Minnesota Sta. Bul.210, pp. 22, figs. 6. Apr., 1924.)
- Thirty-first annual report of the [Minnesota] Agricultural Experiment Station, 1923. W. C. Coffey. pp. 31.
- Why build a silo?--And how? J. C. Wooley, E. A. Trowbridge, and A. C. Ragsdale. (Missouri Sta. Bul. 214, pp. 16, figs. 13. June, 1924.)
- The control of climbing cutworms and grape flea beetles. C. R. Phipps. (Misscuri Fruit Sta. Circ. 21, pp. 4, fig. 1. Feb., 1924.)
- Spraying schedule for grapes. C. R. Phipps. (Missouri Fruit Sta. Circ. 22, pp. 4, fig. 1. Mar., 1924.)
- The relation of low temperatures to root injury of the apple. R. F. Howard. (Nebraska Sta. Bul. 199, pp. 32, figs. 4. Apr., 1924.)
- Potato wilt and stem end rot caused by <u>Fusarium eumartii</u>. P. W. Goss. (Nebraska Sta. Research Bul. 27, pp. 83, pls. 9, figs. 4. June, 1924.)
- Control equipment for the study of the relation of environment to disease. G. L. Peltier and R. W. Goss. (Nebraska Sta. Research Bul. 28, pp. 16, pls. 3, figs. 4. June, 1924.)
- Annual report of the Board of Control [Nevada Agricultural Experiment Station] for the fiscal year ending June 30, 1923. pp. 16.
- The preparation and sending of specimens for laboratory diagnosis. F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 10, pp. 4, fig. 1. July, 1924.)
- Observations on European poultry farming. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 11, pp. 4, fig. 1. Aug., 1924.)

- Farm motor trucks in New York. V. B. Hart. (New York Cornell Sta. Bul. 427, pp. 52 + [4], figs. 5. May, 1924.)
- Experiment station progress. Peport of Director [North Dakota Station], July, 1921, to June 30, 1923. P. F. Trowbridge et al. pp. 100, figs. 25. Feb., 1924.
- Ergot and its control. W. Weniger. (North Dakota Sta. Bul. 176, pp. 23, figs. 12. Apr., 1924.)
- Pale western cutworm in North Dakota. R. L. Webster and C. N. Ainslie. (North Dakota Sta. Bul. 179, pp. 24, pls. 2, figs. 6. Apr., 1924.)
- Potato diseases. (Ohio Sta. Bul. 374, pp. 30, figs. 18. Mar., 1924.)
- The monthly bulletin. (Ohic Sta. Mo. Bul., vol. 9, No. 5-6, pp. 75-104, pl. 1, figs. 11. May-June, 1924.)
- Spring crops for eastern Oregon. D. E. Stephens, R. Withycombe, and O. Shattuck. (Oregon Sta. Bul. 204, pp. 36, figs. 14. May, 1924.)
- Drying prunes in Oregon. E. H. Wiegand. (Oregon Sta. Bul. 205, pp. 26, figs. 24. May, 1924.)
- Coffee varieties in Porto Rico. T. B. McClelland. (Porto Rico Sta. Bul. 30, pp. 27, pls. 11. June, 1924.)
- Report of the Porto Rico Agricultural Experiment Station, 1935. D. W. May et al. pp. 18, pls. 4. July, 1924.
- The examination of eggs from infected and immunized hens with germicidal tests on albumen and blood serum. H. G. May. (Rhode Island Sta. Bul. 197, pp. 47. May, 1924.)
- The relation between rents and agricultural land values in theory and in practice. F. A. Buechel. (Texas Sta. Bul. 318, pp. 71, figs. 12. Feb., 1924.)
- Truck crop investigations. -- Spraying and dusting cantaloupes. H. H. Zimmerley, R. J. Davis, and H. Spencer. (Virginia Truck Sta. Bul. 45, pp. 293-313, figs. 2. Oct., 1923.)
- Gypsum and sulfur as fertilizers for legumes. J. L. St. John and J. R. Noller. (Washington Col. Sta. Fop. Bul. 128, pp. 11. June, 1924.)
- The care of farm gas engines. C. C. Johnson. (Washington Col. Sta. Pop. Bul. 129, pp. 51, figs. 31. July, 1924.)
- Cooperative dairy marketing plans. T. Macklin. (Wisconsin Sta. Bul. 367, pp. 24, figs. 6. June, 1924.)
- Rural religious organization. -- A study of the origin and development of religious groups. J. H. Kolb and C. J. Bornman. (Wisconsin Sta. Research Bul. 60, pp. 63, figs. 18. June, 1924.)

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- A comparison of early, medium, and late maturing varieties of silage corn for milk production. G. C. White, L. M. Chapman, W. L. Slate, jr., and B. A. Brown. (Connecticut Storrs Sta. Bul. 121, pp. 171-211, figs. 5. May, 1924.)
- A statistical study of egg production in four breeds of the domestic fowl.--III, Egg production of Plymouth Rocks. L. C. Dunn. (Connecticut Storrs Sta. Bul. 122, pp. 215-277, figs. 6. July, 1924.)
- Economic returns from fifteen years results with manure, fertilizers, and lime on Sassafras silt loam soil. G. L. Schuster. (Delaware Sta. Bul. 138, pp. 47, figs. 21. Aug., 1924.)
- Hedges for Florida, H. Mowry. (Florida Sta. Bul. 172, pp. 20, figs. 13. July, 1923.)
- University of Florida Agricultural Experiment Station report for fiscal year ending June 30, 1923. W. Newell et. al. pp. 140R + VII, figs. 21.)
- The development of pocan buds and the quantitative production of pollen. J. G. Woodroof. (Georgia Sta. Bul. 144, pp. 133-161, figs. 20. June, 1924.)
- Report of the Guam Agricultural Experiment Station, 1922. C. W. Edwards ot. al. pp. 20, pls. 6. July, 1924.
- The sunflower as a silage crop. -- Fooding value for dairy cows; composition and digestibility when ensiled at different stages of maturity. W. B. Nevens. (Illinois Sta. Bul. 253, pp. 183-225, figs. 2. July, 1924.)
- Corn root, stalk, and ear rot diseases, and their control thru seed selection and breeding. J. R. Holbert, W. L. Burlison, B. Koehler, C. M. Woodworth, and G. H. Dungan. (Illinois Sta. Bul. 255, pp. 335-478, figs. 86. Aug., 192-.)

- Tuberculosis of fowls. R. Graham and E. A. Tunnicliff. (Illinois Sta. Circ. 285, pp. 7, figs. 5. July, 1924.)
- Fowl cholera. R. Graham and I. B. Boughton, (Illinois Sta, Circ. 286, pp. 8, figs. 5. July, 1924.)
- Fowl typhoid R. Graham and E. A. Tunnicliff. (Illinois Sta. Circ. 287, pp. 4, figs. 3. July, 1924.)
- Coccidiosis of poultry. R. Graham and E. A. Tunnicliff. (Illinois Sta. Circ. 288, pp. 8, figs. 9. July, 1924.)
- Botulism in fowls, types A and C, commonly called limberneck. R. Graham and I. B. Boughton. (Illinois Sta. Circ. 289), pp. 4, figs. fix. 1924.)
- Corn growers face worst seed shortage in years: J. C. Hackleman. (Illinois Sta. Circ. 292, pp. 4, figs. 4. Sept., 1924.)
- Cattle feeding. -- Winter steer feeding. J. H. Skinner and F. G. King. (Indiana Sta. Bul. 281, pp. 22, fig. 1. June, 1924.)
- Sheep feeding, --XII, Fattening western lambs, 1923-1924. J. H. Skinner and F. G. King. (Indiana Sta. Bul. 282, pp. 12, fig. 1. July, 1924.)
- Liquid lime sulphur vorsus sulphur dust for apple spraying. F. P. Cullinan and C. E. Baker. (Indiana Sta. Bul. 283, pp. 22, figs. 9. July, 1924.)
- Tenth annual report of the dairy department creamery license division for the year ending March 31, 1924. W. G. Goss. (Indiana Sta. Circ. 118, pp. 16, figs. 2.)
- Breeding for increased egg production. P. G. Riley. (Indiana Sta. Circ. 119, pp. 15, figs. 11. July, 1924.)
- Abstracts of papers not included in bulletins, finances, meteorology, index. (Maine Sta. Bul. 315, pp. 95-118 + XI. Dec., 1923.)
- The importance and natural spread of potato degeneration diseases. D. Folson and E. S. Schultz. (Maine Sta. Bul. 316, pp. 28, pls. 4. Jan., 1924.)
- The buckthorn aphid. E. M. Patch. (Maine Sta. Bul. 317, pp. 27-52, figs. 3. Apr., 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station.

  J. E. Ostrander and H. H. Shepard. (Massachusetts Sta. Met. Bul. 428, pp. 4

  Aug., 1924.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 7, No. 1, pp. 38, figs. 12 Aug., 1924.)

- Evestigations in stump and stone removal. M. J. Thompson and A. J. Schwantes. (Minnesota Sta. Bul. 208, pp. 43, figs. 11. Mar., 1924.)
- Cooperative central marketing organization. J. D. Black and H. B. Price. (Minnesota Sta. Bul. 211, pp. 112, figs. 3. Apr., 1924.)
- Potato investigations at the North Central Experiment Station, 1914-1923. O. I. Bergh. (Minnesota Sta. Bul. 212, pp. 58, figs. 30. May, 1924.)
- Steer feeding experiments.—Corn silage versus corn and soy bean silage. Velvet bean-and pod meal, cottonseed meal, and varying proportions of corn and velvet bean-and-pod meal. Corn, sorghum, and sunflower silages. C.J.Goodell.—(Mississippi Sta. Bul. 222, pp. 16, fig. 1. May, 1924.)
- Delfos cotton. (Mississippi Sta. Circ. 52, pp. 5. June, 1924.)
- Spraying experiments for pecan scab control in Mississippi in 1923. D. C. Neal, O. M. Chance, R. P. Barnhart, and E. K. Bynum. (Mississippi Sta. Circ. 53, pp. 4. July, 1924.)
- Thirty-sixth annual report [Mississippi Agricultural Experiment Station] for the fiscal year ending June 30, 1923. J. R. Ricks et. al. pp. 63. June, 1923.)
- Injurious insect pests of strawberries. O. C. McBride. (Missouri Sta. Bul. 215, pp. 12, figs. 6. June, 1924.)
- Corn selection for exhibit purposes. C. A. Helm. (Missouri Sta. Circ. 126, pp. 7: figs. 8. Aug., 1924.)
- Acidity in relation to quality in sunflower silage. M. J. Blish. (Montana Sta. Bul. 163, pp. 13, Jan., 1924.)
- Winter feeding of breeding ewes. W. E. Joseph. (Montana Sta. Bul. 164, pp. 16, Figs. 4. Feb., 1924.)
- The effect of varying feed levels on the physiological economy of steers. E. G. Ritzman and F. G. Benedict. (New Hampshire Sta. Tech. Bul. 26, pp. 34. June, 1924.)
- A bacteriological study of a sewage disposal plant. W. H. Gaub, jr. (New Jersey Stas. Bul. 394, pp. 24, figs. 4. Mar., 1924.)
- Analyses of commercial feeding stuffs and registrations for 1924. C. S. Cathcart et. al. (New Jersey Stas. Bul. 399, pp. 76, fig. l. July, 1924.)
- Blueberry culture. C. S. Beckwith. (New Jersey Stas. Circ. 170, pp. 8, figs. 6. Sept., 1924.)
- Fowl cholera. J. J. Black. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 12 pp. 4. Sept., 1924.)

- Nitrate of soda in the nutritica of the tomato. P. Work. (New York Cornell Sta. Mem. 75, pp. 86, figs. 38. June, 1924.)
- U. S. grades for barreled apples. (North Carolina Sta. Farmers' Market Bul., vol 11, No. 71, pp. 11. Sept., 1924.)
- Cooperative livestock marketing in Ohio. B. A. Wallce. (Ohio Sta. Bul. 375, pp. 31-82, fig. 1. Apr., 1924.)
- The effect of high and low protein content on the digestibility and metabolism of dairy rations. E. A. Perkins and G. F. Monroe. (Ohio Sta. Bul. 376, pp. 83-116, figs. 4. May, 1924.)
- Manures and fertilizers for truck crops. J. H. Gourley and R. Magruder. (Ohio Sta. Bul. 377, pp. 117-152, figs. 4. June, 1924.)
- Anthelmintic experiments with hogs. D. C. Mote. (Ohio Sta. Bul. 378, pp. 153-182 June, 1924.)
- Studies relating to the harvesting and storage of apples and pears. H. Hartman. (Oregon Sta. Bul. 206, pp. 32, figs. 2. July, 1924.)
- The European earwig. B. B. Fulton. (Oregon Sta. Bul. 207, pp. 29, figs. 8. Aug. 1924.)
- Filberts.--I, Growing filberts in Oregon; II, Experimental data on filbert pollination. C. E. Schuster. (Oregon Sta. Bul. 208, pp. 39, figs. 17. Aug., 1924.
- Thirty-seventh annual report of the Director for the fiscal year ending June 30, 1924. (Pennsylvania Sta. Bul. 188, pp. 31, figs. 2. Aug., 1924.)
- The yield and mineral content of crop plants as influenced by those preceding.
  P. S. Burgess. (Rhode Island Sta. Bul. 198, pp. 25. June, 1924.)
- Analyses of conmercial fertilizers. R. M. Bracket and H. M. Stackhouse. (South Carolina Sta. Bul. 220, pp. 61. Aug., 1924.)
- Some tentative statements concerning Fowlds hulless oats. A. N. Hume. (South Dakota Sta. Bul. 205, pp. 613-627, figs. 2. March, 1924.)
- Forage crops for lambs. J. W. Wilson and A. H. Kuhlman. (South Dakota Sta. Bul. 207, pp. 659-674. May, 1924.)
- Flowers every day in the year. H. E. Hanson. (South Dakota Sta. Bul. 208, pp. 675-690, figs. 15. May, 1924.)
- Potatoes as a feed for fattening pigs. J. W. Wilson and A. H. Kuhlman. (South Dakota Sta. Bul. 209, pp. 691-710, figs. 2. May, 1924.)

- The soils of Rutherford County. C. A. Mooers and H. H. Coryell. (Tennessee Sta. Bul. 130, pp. 27, figs. 6, map l. June, 1924.)
- The soils of Brazos, Camp, Ellis, and Washington Counties. G. S. Fraps. (Texas Sta. Bul. 316, pp. 88, figs. 6. Feb., 1924.)
- Ridding the land of wild morning glory. G. Stewart and D. W. Pittman. (Utah Sta. Bul. 189, pp. 30, figs. 10. Aug., 1924.)
- Corn silage in a dairy ration. W. E. Carroll. (Utah Sta. Bul. 190, pp. 11, fig. 1 Aug., 1924.)
- Rules and regulations for the Utah intermountain egg-laying contest. B. Alder. (Utah Sta. Circ. 52, pp. 4. July, 1924.)
- Summary of publications. B. C. Pittman. (Utah Sta. Circ. 53, pp. 4. Sept., 1924.
- Commercial feeding stuffs. J. L. Hills, C. H. Jones, and G. E. Anderson. (Vermont Sta. Bul. 237, pp. 20. Mar., 1924.)
- Truck crop investigations. -- Dusting and spraying tomatoes. R. J. Davis, H. Spencer, and H. H. Zimmerley, (Virginia Truck Sta. Bul. 46, pp. 315-327, figs. 3, Jan., 1924.)
- Truck crop investigations. -- Disting and spraying eggplants. H. Spencer, H.H. Zimmer-ley, and R. J. Davis. (Virginia Truck Sta. Bul. 47, pp. 329-347, fig. 1. Apr. 1924.)
- Bi-monthly Bulletin. (Western Washington Bi-mo. Bul., vol. 12, No. 3, pp. 53-76, figs. 8. Sept., 1924.)

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## UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIMENT STATIONS E. W. ALLEN, Chief.

ATIONS

## LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING OCTOBER, 1924

Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- A bacterial disease of fortail (Chaetochloa lutescens). H. R. Rosen. (Arkansas Sta. Bul. 193, pp. 66, pls. 7. Aug., 1924.)
- Tomato wilt and its control in Arkansas. J. A. Elliott. (Arkansas Sta. Bul. 194, pp. 11, pls. 5, fig. 1. Sept., 1924.)
- The cold storage of pears. E. L. Overholser and L. P. Latimer. (California Sta. Bul. 377, pp. 56, figs. 12. Apr., 1924.)
- Head, cane, and cordon pruning of vines. F. T. Bioletti and H. E. Jacob. (California Sta. Circ. 277, pp. 32, figs. 23. Aug., 1924.)
- Olive pickling in Mediterranean countries. W. V. Cruess. (California Sta. Circ. 278, pp. 33, figs. 19. Sept., 1924.)
- Report on survey of canning tomato industry, with suggestions for improvement. F. L. Yaw. (California Sta. Circ. 280, pp. 30, figs. 12. Nov., 1924.)
- Replaceable bases in soils. W. P. Kelley and S. M. Brown. (California Sta. Tech. Paper 15, pp. 39. Sept., 1924.)
- Bacillary white diarrhea of chicks. I. E. Newsom. (Colorado Sta. Bul. 293, pp. 8, figs. 4. Sept., 1924.)
- Third annual report, 1922. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 3, op. 23, figs. 3. June, 1923.)
- Fourth annual report, 1923. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 4, pp. 44, figs. 17. June, 1924.)
- Elimination of germs from dairy utensils. -- III, Steaming cams over a jet. M. J. Prucha and H. H. Harding, (Illinois Sta. Bul. 25+, pp. 227-234. Aug., 1924.)

- Hancock County soils. R. S. Smith, E. E. De Turk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 27, pp. 62, pls. 2 figs. 9. Lay, 1924.)
- Results of soil fertility investigations, 1917-1922[Francisco experiment field].

  A. T. Wiancko and W. G. Volkmann. (Indiana Sta. [Leaflet, pp. 4. 1924.])
- Results of soil fertility investigations, 1913-1922 Worthington experiment field A. T. Wiancko and F. Negele. (Indiana Sta. Leaflet, pp. 4. 1924.)
- The apple trumpet leafminer (<u>Tischeria malifoliella</u> Clem.). E. W. Dunnam. (Iowa Sta. Bul. 220, pp. 49-72, figs. 6. June, 1924.)
- Crop yields on soil experiment fields in Iowa. W. H. Stevenson, P. E. Brown, L. W. Forman, et al. (Iowa Sta. Bul. 221, pp. 73-104, figs. 2. July, 1924.)
- Assessment and equalization of farm and city real estate in Kansas. E. Englund. (Kansas Sta. Bul. 232, pp. 70, figs. 5. July, 1924.)
- The relation of feeding and age of calving to the development of dairy heifers.

  O. E. Reed, J. B. Fitch, and H. W. Cave. (Kansas Sta. Bul. 233,pp. 38,figs. 8. July, 1924.)
- Thirty-sixth annual report of the Kentucky Agricultural Experiment Station for the year 1923. Part I, Report of the director. Meteorological observations. T. Cooper. pp. 59, figs. 2.
- Foods and drugs. J. M. Bartlett. (Maine Sta. Off. Insp. 111, pp. 16. Apr., 1924.)
- Commercial feeding stuffs, 1923, 1924. J. M. Bartlett. (Maine Sta. Off. Insp. 112, pp. 17-36. Aug., 1924.)
- Some chemical aspects of sweet corn drying. C. O. Appleman. (Maryland Sta. Bul. 267, pp. 267-298. June, 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and J. Bower, jr. (Massachusetts Sta. Met. Bul. 429, pp. 4. Sept., 1924.)
- Greenhouse insects. E. I. McDaniel. (Michigan Sta. Spec. Bul. 134, pp. 75, figs. 41. June, 1924.)
- Seasonal management for commercial apiaries. R. H. Kelty. (Michigan Sta. Spec.-Bul. 135, pp. 58, figs. 30. June, 1924. Supplement, chart.)
- Thirty-sixth annual report of the Agricultural Experiment Station of the Michigan Agricultural College for the year ending June 30, 1923. R. S. Shaw et al. 500, 504, figs. 108.

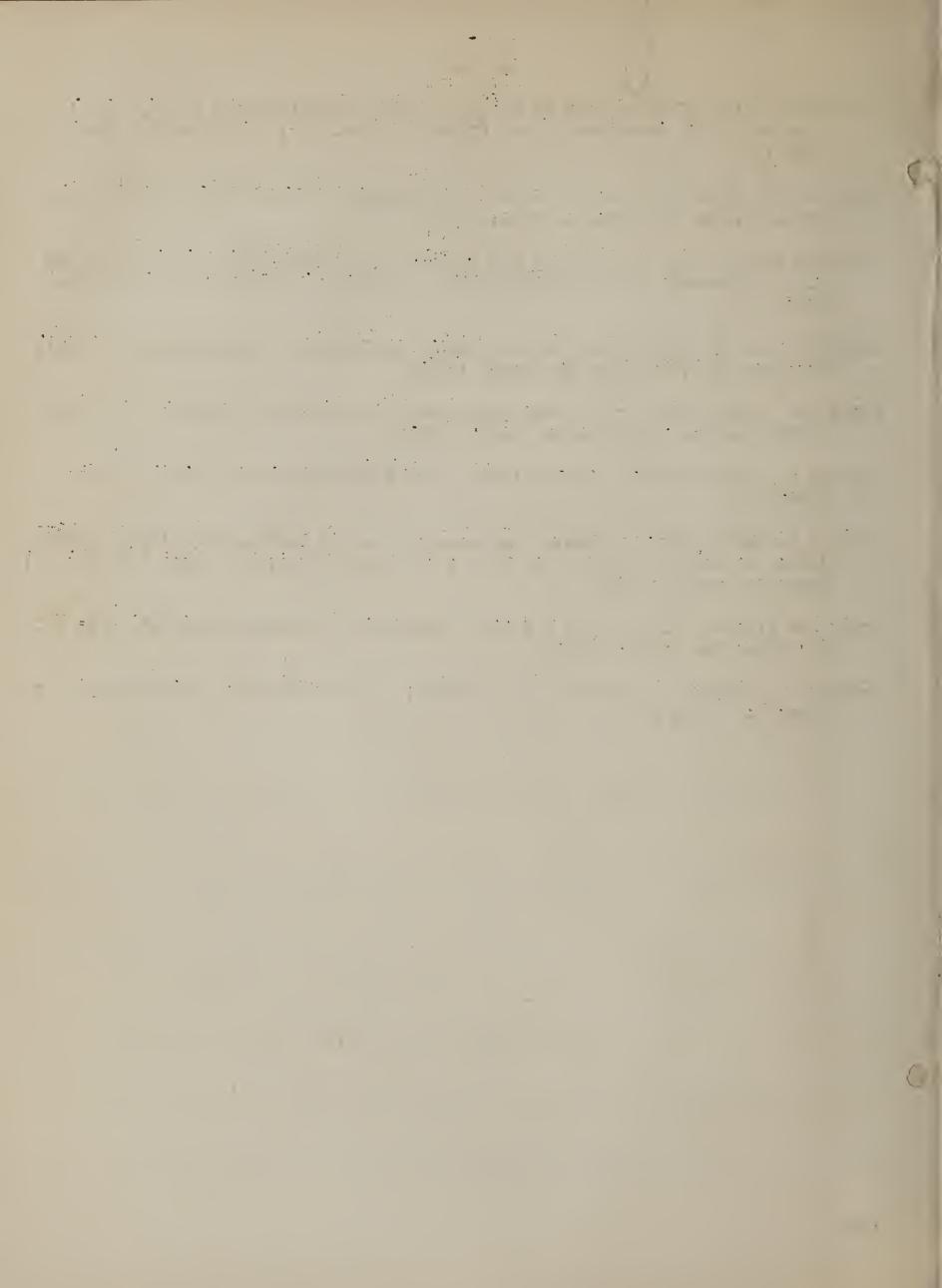
- Sornstalk sirup investigations. J. J. Willaman, G. O. Burr, and F. R. Davison. (Minnesota Sta. Bul. 207, pp. 58, figs. 22 Mar., 1924.)
- A study of wilt resistance in flax. H. D. Barker. (Minnesota Sta. Tech. Bul. 20, pp. 42, pls. 14. Nov., 1923.)
- Reaction of barley varieties to Helminthosporium sativum.--I, Varietal resistance. II, Inheritance studies in a cross between Lion and Manchuria.

  H. K. Hayes, E. C. Stakman, F. Griffec, and J. J. Christensen. (Minnesota Sta. Tech. Bul. 21, pp. 47, figs. 10. July, 1923.)
- Steer feeding experiments. -- Corn silage versus corn and soy bean silage. Velvet bean-and-pod meal, cottonseed meal, and varying proportions of corn and velvet bean-and-pod meal. Corn, sorghum, and sunflower silages.

  C. J. Goodell. (Mississippi Sta. Bul. 222, pp. 16, fig. 1. May, 1924.)
- Delfos cotton. (Mississippi Sta. Circ. 52, pp. 5. June, 1924.)
- Spraying experiments for pecan scab control in Mississippi in 1323. D. C. Meal O. M. Chance, R. P. Barnhart, and E. K. Bynum. (Mississippi Sta. Circ. 3). pp. 4. July, 1924.)
- Thirty-sixth annual report [Mississippi Agricultural Experiment Station] for the fiscal year ending June 30, 1923. J. R. Ricks et al. pp. 63. June, 1923.
- Spraying Missouri fruits. T. J. Talbert. (Missouri Sta. Bul. 216, pp. 32, figs. 14. July, 1924.)
- Strawberry culture in Missouri. T. J. Talbert. (Missouri Sta. Circ. 123, pp. 12, figs. 6. June, 1924.)
- Apple blotch control in Missouri. T. J. Talbert. (Missouri Sta. Circ. 124, pp 8, figs. 2. June, 1924.)
- Corn versus oats for work mules. E. A. Trowbridge. (Missouri Sta. Circ. 125, pp. 4, figs. 3. July, 1924.)
- Selection and ranagement of the dairy bull. 2. C. Ragsdale. (Hissouri Sta. Circ. 127, pp. 10, figs. 9. Lug., 1924.)
- Measurement of irrigation water. H. E. Murdock and J. R. Barker. (Montana Storier. 126, pp. 39, figs. 25. June, 1924.)
- Nebraska tractor tests, 1921, 1922, and 1923. I. E. Brackett et al. (Nebraska Sta. Bul. 200; pp. 15, fig. 1. Aug., 1924.)
- Experiments on resistance of apple roots to low temperatures. G. F. Potter. (New Hampshire Sta. Tech. Bul. 27, pp. 34, figs. 2. June, 1924.)

- A simple method for determining the keeping quality of milk. J. M. Fuller, H. F. DePew, and B. E. Huggins. (New Hampshire Sta. Circ. 23, pp. 12. June, 1924)
- Blueberry culture. C. S. Beckwith. (New Jersey Stas. Circ. 170, pp. 8, figs. 6. Sept., 1924.)
- Fowl cholera. J. J. Black. (New Jersey Stas. Hints to Poultrymen, vol. 12, No. 12, pp. 4. Sept., 1924.)
- The research program of the department of poultry husbandry. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 13, No. 1, pp. 4, fig. 1. Oct., 1924.)
- The clover-seed caterpillar. L. P. Wehrle. (New York Cornell Sta. Bul. 428, pp. 34, figs. 13. June, 1924.)
- The control of bacterial blight of celery by spraying and dusting. H. W. Dye and A. G. Newhall. (New York Cornell Sta. Bul. 429, pp. 30, figs. 11. June, 1924.)
- An economical study of rural store credit in New York. L. Spencer. (New York Cornell Sta. Bul. 430, pp. 47. Sept., 1924.)
- The cost of living in a small factory town. C. V. Noble. (New York Cornell Sta. Bul. 431, pp. 70, fig. 1, Sept., 1924.)
- An economic study of dairying on 163 farms in Herkimer County, New York, E. G. Misner. (New York Cornell Sta. Bul. 432, pp. 59, figs. 6. Sept., 1924.)
- Effect of the process of manufacture on the germ content of bulk condensed milk. H. A. Ruehe. (New York Cornell Sta. Mem. 76, pp. 18, figs. 3. July, 1924.)
- A biological study of Aphelinus mali Hald., a parasite of the wooley apple aphid, Ericsoma lanigera Hausm. A. E. Lundie. (New York Cornell Sta. Mem. 79, pp. 27, figs. 7. Aug., 1924.)
  of farming
- An economic study/in southwestern North Dakota. R. E. Willard and L. A. Reynoldson. (North Dakota Sta./180, pp. 47, figs. 5. July, 1924.)
- Perennial sow thistle: Growth and reproduction. O. A. Stevens. (North Dakota Sta. Bul. 181, pp. 44, figs. 28. Aug., 1924.)
- Farmers! Market Bulletin. (North Carolina Sta. Farmers' Market Bul., vol. 11, No. 69, pp. 11. May, 1924; No. 70, pp. 16, figs. 3. June, 1924.)
- Soil potassium as affected by fertilizer treatment and cropping. J. W. Ames and R. H. Simon. (Onio Sta. Bul. 379, pp. 183-212, fig. 1. June, 1924.)

- The availability of phosphorus in calcareous and non-calcareous soils. J. W. Ames and C. J. Schollenberger. (Ohio Sta. Bul. 380, pp. 213-242. June, 1924.)
- Supplemental irrigation for the Villamette Valley. W. L. Powers. Oregon Sta. Circ. 57, pp. 8, figs. 2. Aug., 1924.)
- Purebred dairy sires, their value and influence on production. T. M. Olson and R. M. Gilcreast. (South Dakota Sta. Bul. 206, pp. 631-658, figs. 23. May, 1924.)
- Some chemical characteristics of soft corn. A. Bushey. (South Dakota Sta. Bul. 210, pp. 713-718, figs. 3. June, 1924.)
- Rules and regulations for the Utah intermountain egg-laying contest. B. Alder. (Utah Sta. Circ. 52, pp. 4. July, 1924.)
- Summary of publications. B. C. Pittman. (Utah Sta. Circ. 53, pp. 4. Sept., 1924.)
- Cost of producing milk and dairy farm organization in Spokane and Stevens Counties. G. Severance and G. O. Baker. (Washington Col. Sta. Bul. 182, pp. 36; figs. 4. Aug., 1924,)
- Drain wet fields. E. R. Jones and O. R. Zeasman. (Wisconsin Sta. Bul. 365, pp. 24, figs. 20. June, 1924,)
- Contagious abortion in cattle. F. B. Hadley. (Wisconsin Sta. Bul. 368, pp. 24, figs. 6. July, 1924.



### OFFICE OF EXPERIMENT STATIONS E. W. ALLEN, Chief.



#### LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING NOVEMBER, 1924.

Note: -- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

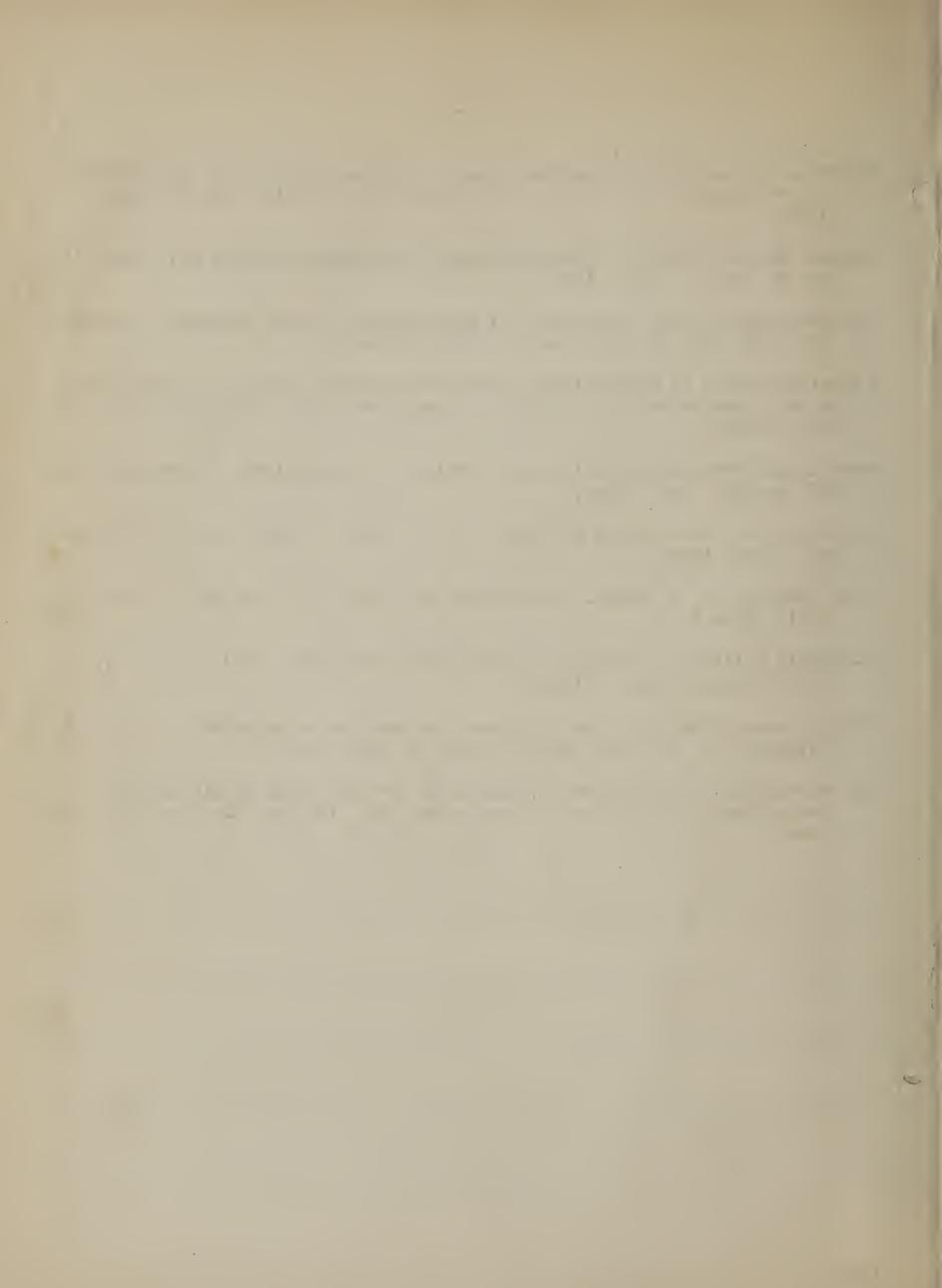
- Walnut culture in California. L. D. Batchelor. (California Sta. Bul. 379, pp. 91, figs. 34. June, 1924.)
- The preparation and refining of olive oil in southern Europe. W. V. Cruess. (California Sta. Circ. 279, pp. 43, figs. 24. Oct., 1924.)
- The respiration of potato tubers in relation to the occurrence of blackheart.

  J. P. Bennett and E. T. Bartholomew. (California Sta. Tech. Paper 14,

  pp. 35, pls. 3, fig. 1. Jan., 1924.)
- Soft corn-how to store and feed it. (Illinois Sta. Circ. 293, pp. 16, figs. 7. Oct., 1924.)
- Thirty-sixth annual report Agricultural Experiment Station [of the] University of Illinois, 1922-1923. H. W. Mumford. pp. 24.
- Varieties of tree fruits for Iowa planting. -- Part I, Apples. H. L. Lantz. (Iowa Sta. Circ. 92, pp. 32, figs. 11. June, 1924.)
- Prevention and control of poultry diseases. L. D. Bushnell and W. R. Hinshaw. (Kansas Sta. Circ. 106, pp. 78, figs. 25. July, 1924.)
- Some lamb-feeding results secured by the Kansas Agricultural Experiment Station. A. M. Paterson. (Kansas Sta. Circ. 108, pp. 8, fig. 1. Nov., 1924.)
- Lamb feeding investigations, 1922-23. A. M. Faterson and H. W. Marston. (Kansas Sta. Circ. 109, pp. 4, fig. 1. Nov., 1924.)
- Director's report 1922-1924 [Kansas Agricultural Experiment Station], for the biennium July 1, 1922, to June 30, 1924. F. D. Farrell. pp. 145, fig. 1. Sept., 1924.)
- Potato growing in Kentucky. J. S. Gardner and C. W. Mathews. (Kentucky Sta. Circ. 34, pp. 23-58, figs. 20. June, 1924.)

- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and J. Bower, jr. (Massachusetts Sta. Met. Bul. 430, pp. 4. Oct., 1924.)
- The salt requirements of Marquis wheat in water culture for the vegetative phase of development. R. P. Hibbard and S. Gershberg. (Michigan Sta. Tech. Bul. 64, pp. 28, figs. 7. June, 1924.)
- The cost of producing apples in Minnesota, 1916-1920. W. G. Brierley, W. J. Koppen, and G. A. Pond. (Minnesota Sta. Bul. 209, pp. 44, figs. 15. Apr., 1924.)
- Food requirements and cost of gains of spring and fall pigs. E. F. Ferrin and M. A. McCarty. (Minnesota Sta. Bul. 213, pp. 18, figs. 2. June, 1924.)
- A comparison of Holstein-Friesian sires, based on the average "mature equivalent" fat production of the daughters. C. W. Turner and A. C. Ragsdale. (Missouri Sta. Bul. 217, pp. 32, figs. 2. July, 1924.)
- Limited use of shelled corn in fattening two-year-old cattle. E. A. Trowbridge and E. A. Fox. (Missouri Sta. Bul. 218, pp. 15, figs. 6. Aug., 1924.)
- Annual report of the northeast Missouri crops experiment field (1924). W. C. Etheridge and C. A. Helm. (Missouri Sta. Circ. 128, pp. 2. Sept., 1924.)
- The 30 X 30 Missouri poultry house. H. L. Kempster. (Missouri Sta. Circ. 129, pp. 8, figs. 6. Oct., 1924.)
- The minimum protein requirement for growing dairy heifers. W. W. Swett, C. H. Eckles, and A. C. Ragsdale. (Missouri Sta. Research Bul. 66, pp. 155, figs. 11. Mar., 1924.)
- Feeding brood sows and growing the litters. W. E. Joseph. (Montana Sta. Bul. 165, pp. 18 + IX, figs. 6. May, 1924.)
- Agricultural service from the Montana Experiment Station. Thirtieth annual report, July 1, 1922, to June 30, 1923. F. B. Linfield et al. pp. 71, figs. 32.
- Better sires-better stock.--Build better by breeding. H. P. Davis. (Nebraska Sta. Circ. 24, pp. 24, figs. 8: Oct., 1924.)
- Fattening lambs with barley and alfalfa. C. E. Fleming. (Nevada Sta. Bul. 106, pp. 14, figs. 5. Sept., 1924.)
- The stem rot of sweet potatoes. -- Losses, sources of infection and control. R. F. Poole. (New Jersey Stas. Bul. 401, pp. 32, figs. 13. Aug., 1924.)
- Seasonal and annual egg-production-correlation tables. G. W. Hervey. (New Jersey Stas. Bul. 402, pp. 15. Sept., 1924.)

- The toxicity, movement and accumulation of nitrates and other salts occurring in arid soils. C. E. Craig. New Mexico Sta. Bul. 142, pp. 65. Apr., 1924.)
- Farmers' Market Bulletin. (North Carolina Sta. Farmers' Market Bul., vol. 11, No. 72, pp. 8. Oct., 1924.)
- Dry-farm crop rotation experiments at Moro, Oregon. D. E. Stephens. (Oregon Sta. Bul. 209, pp. 45, figs. 2. Sept., 1924.)
- A progress report of alkali land reclamation investigations in eastern Oregon. W. W. Johnston and W. L. Powers. (Oregon Sta. Bul. 210, pp. 27, figs. 13. Oct., 1924.)
- Texas Agricultural Experiment Station system. B. Youngblood. (Texas Sta. Circ. 33, pp. 40. May, 1924.)
- The Lower Rio Grande Valley of Texas. A. T. Potts. (Texas Sta. Circ. 34, pp. 15. July, 1924.)
- Swine judging. R. T. Smith. (Washington Sta. Pop. Bul. 130, pp. 27, figs. 21. Sept., 1924.)
- Bi-monthly bulletin. (Western Washington Sta. Bi-mo Bul., vol. 12, No. 4, pp. 77-96, figs. 3. Nov., 1924.)
- Wyoming forage plants and their chemical composition--studies No. 6. A. T. Cundy. (Wyoming Sta. Bul. 137, pp. 16, figs. 5. June, 1924.)
- The experimental transmission of swamp fever or infectious anemia by means of secretions. J. W. Scott. (Wyoming Sta. Bul. 138, pp. 62, figs. 12. June, 1924.)



#### UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF EXPERIENT STATIONS

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E. W. ALLEN, Chief

LIST OF STATION PUBLICATIONS RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING DECEMBER, 1924

Note. The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, as far as the supply will permit, by applying to the stations issuing them. An address list of the stations will be furnished upon request.

- A simple mineral mixture for fattening pigs. J. C. Grimes and W. D. Salmon. (Alabama Sta. Bul. 222, pp. 10, figs. 2. Feb., 1924.)
- Peanuts for fattening hogs in the dry lot. J. C. Grimes and W. D. Salmon. (Alabama Sta. Bul. 223, pp. 12. June, 1924.)
- Peanut meal as a protein supplement to corn for fattening hogs in the dry lot. J. C. Grimes and W. D. Salmon. (Alabama Sta. Bul. 224, pp. 16. Aug., 1924.)
- The results of a survey to determine the cost of producing beef in California. R. L. Adams. (California Sta. Circ. 281, pp. 22. Dec., 1924.)
- Nutrient and toxic effects of certain ions on citrus and walnut trees with especial reference to the concentration and PH of the medium. H. S. Reed and A. R. C. Haas. (California Sta. Tech. Paper 17, pp. 75, pls. 3, figs. 25. Oct., 1924.)
- Green manuring crops for soil improvement. A. G. McCall. (Maryland Sta. Bul. 268, pp. 14, figs. 2. July, 1924.)
- The biology and control of the chrysanthemum midge (Diarthronomyia hypogaea, F. Low); C. C. Hamilton. (Maryland Sta. Bul. 269, pp. 51, figs. 9. Aug., 1924.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and J. Bower, jr. (Massachusetts Sta. Met. Bul. 431, pp. 4. Nov., 1924.)
- Control of bacillary white diarrhoea, 1923-1924. G. E. Gage and O. S. Flint. (Massachusetts Sta. Control Ser. Bul. 27, pp. 8. July, 1924.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 7, No. 2, pp. 41-71, figs. 6. Nov., 1924.)
- The cost and income of the farm poultry flock. O. R. Johnson and B. H. Frame. (Missouri Sta. Bul. 219, pp. 20, figs. 6, Aug., 1924.)

- Corn and soybeans. W. C. Etheridge and C. A. Helm. (Missouri Sta. Bul. 220, pp. 23, figs. 5. Sept., 1924.)
- The relation between age, weight and fat production in dairy cows. C. W. Turner, A. C. Ragsdale, and S. Brody. (Missouri Sta. Bul. 221, pp. 12, figs. 5. Sept., 1924.)
  - Factors affecting the percentage of fat in cows! milk. C. W. Turner. (Missouri Sta. Bul. 222, pp. 22, figs. 11. Oct., 1924.)
  - The use of a limited amount of molasses in feeding yearling steers. E. A. Trow-bridge. (Missouri Sta. Bul. 223; pp. 16; fig. 1. Oct., 1924.)
  - Fattening western lambs, 1923-1924. H. D. Fox. (Nebraska Sta. Bul. 204, pp. 24, fig. 1. Dec., 1924.)
  - Materials for poultry house construction. E. R. Gross. (New Jersey Stas. Hints to Poultrymen, vol. 13, No. 2, pp. 4, figs. 4. Nov., 1924.)
  - Report of egg-laying contest for 1924. R. R. Hannas and F. H. Clickner. (New Jersey Stas. Hints to Poultrymen, vol. 13, No. 3, pp. 4. Dec., 1924.)
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